GEMINI PLUS SERIES
MX-2010U/2310U/3111U
ARIES SERIES
MX-2610N/3110N/3610N

Technical Training

Settembre 2012

VOLUMI DI LAVORO

Velocità	Modello	Volume mensile MEDIO	Vita	Volume mensile massimo
20 ppm 23 ppm 26 ppm 31 ppm 36 ppm	MX-2010U MX-2310U MX-3111U MX-2610N MX-3110N MX-3610N	20K	1.200K o 5 anni	B/N 70K COLORE 30K

Gemini

Aries

Volume mensile consigliato
Indica il volume che la copy/printer mantiene, garantendo un ottimo livello di prestazioni.

Ciclo di vita
Rappresenta la durata del modello per macchine che hanno utilizzato materiali di consumo orignali e sono state revisionate secondo il programma di manutenzione preventivo definito dal costruttore.

Volume massimo mensile
Indica il volume che la copy/printer può gestire occasionalmente come picco di lavoro.
Un utilizzo per più mesi continuativi con tale carico di copiatura/stampa può portare a prestazioni ridotte e a una diminuzione del ciclo di vita della macchina.

CONFIGURAZIONI GEMINI

MX-2010U

Standard

- Sharp Advanced Printing Language CD1
- Sharp Advanced Printing Language CD2
- Sharpdesk V.3.3
- Guida di apprendimento rapido
- Developer

■ **Document Cover**
(MX-VR11)

■ **Inner Finisher**
(MX-FN17)

■ **RSPF**
(MX-RP12)

■ **Exit Tray Unit**
(MX-TR12)

■ **Fax Expansion Kit**
(MX-FX11)

■ **Stand / 500 sheet**
(MX-DE12)

■ **Stand / 2x500 sheet**
(MX-DE13)

■ **Stand /3x500 sheet**
(MX-DE14)

Da Aprile 2011

■ **Stand**
MX-DK11W)

- **Printer Expansion Kit** **(MX-PB14)**
- **Barcode Font Kit** **(MX-PF10)**
- **PS Expansion Kit** **(MX-PK11)**
- **XPS Expansion Kit** **(MX-PUX1)**

- **Sharpdesk License** **(MX-US**)**
- **Data Security Kit(non-CC version)** **(MX-FR25U)**
- **i-Fax Expansion Kit** **(MX-FWX1)**
- **Expansion memory** **(MX-SM10)**

- **NETWORK COLOR SCANNER (STD)**
- **Sharp Advanced Printing Language (STD)**
- **HDD 160 Gb (MX-HD10) OPTION**
- **DUPLEX (STD)**

GEMINI SERIES - MX 2010U/2310U/3111U ARIES SERIES - MX-2610N / 3110N / 3610N

CONFIGURAZIONI GEMINI

MX-2310U/3111U

Standard

- Sharp Advanced Printing Language CD1
- Sharp Advanced Printing Language CD2
- Sharpdesk V.3.3
- Guida di apprendimento rapido
- Developer

■ **Inner Finisher**
(MX-FN17)

■ **Exit Tray Unit**
(MX-TR12)

■ **Fax Expansion Kit**
(MX-FX11)

■ **Stand / 500 sheet**
(MX-DE12)

■ **Stand / 2x500 sheet**
(MX-DE13)

■ **Stand /3x500 sheet**
(MX-DE14)

Da Aprile 2011

■ **Stand**
MX-DK11W)

- **Printer Expansion Kit** **(MX-PB14)**
- **Barcode Font Kit** **(MX-PF10)**
- **PS Expansion Kit** **(MX-PK11)**
- **XPS Expansion Kit** **(MX-PUX1)**

- **Sharpdesk License** **(MX-US**)**
- **Data Security Kit(non-CC version)** **(MX-FR25U)**
- **i-Fax Expansion Kit** **(MX-FWX1)**
- **Expansion memory** **(MX-SM10)**

- **NETWORK COLOR SCANNER (STD)**
- **Sharp Advanced Printing Language (STD)**
- **HDD 160 Gb (STD)**
- **DUPLEX + RSPF (STD)**

GEMINI SERIES - MX 2010U/2310U/3111U **ARIES SERIES - MX-2610N / 3110N / 3610N**

CONFIGURAZIONI ARIES

Standard

- Software CD-ROM CD1
- Software CD-ROM CD2
- Sharpdesk V.3.3
- Guida di apprendimento rapido
- Developer

■ **Exit Tray Unit**
(MX-TU12)

■ **Inner Finisher**
(MX-FN17)

■ **Exit Tray Unit**
(MX-TR12) MX-2610N/3110N
(MX-TR13) MX-3610N

■ **Saddle Stich Finisner**
(MX-FN10)

■ **Pass Feeder**
(MX-RB10)

■ **Fax Expansion Kit**
(MX-FX11)

■**Stand / 500 sheet**
(MX-DE12)

■ **Stand / 2x500 sheet**
(MX-DE13)

■ **Stand /3x500 sheet**
(MX-DE14)

■ **Large Capacity Tray**
(MX-LC11)

Keyboard
(MX-KB11)

Barcode Font Kit
(MX-PF10)

PS Expansion Kit
(MX-PK11)

XPS Expansion Kit
(MX-PUX1)

Sharpdesk License
(MX-US)**

Data Security Kit
(MX-FR30U)

i-Fax Expansion Kit
(MX-FWX1)

Expansion memory
(MX-SM10)

Mirroring Kit
(MX-EB12)

Compression Kit
(MX-EB11)

Punch Unit Kit
(MX-PN11*)

Punch Unit Kit
(MX-PNX5*)

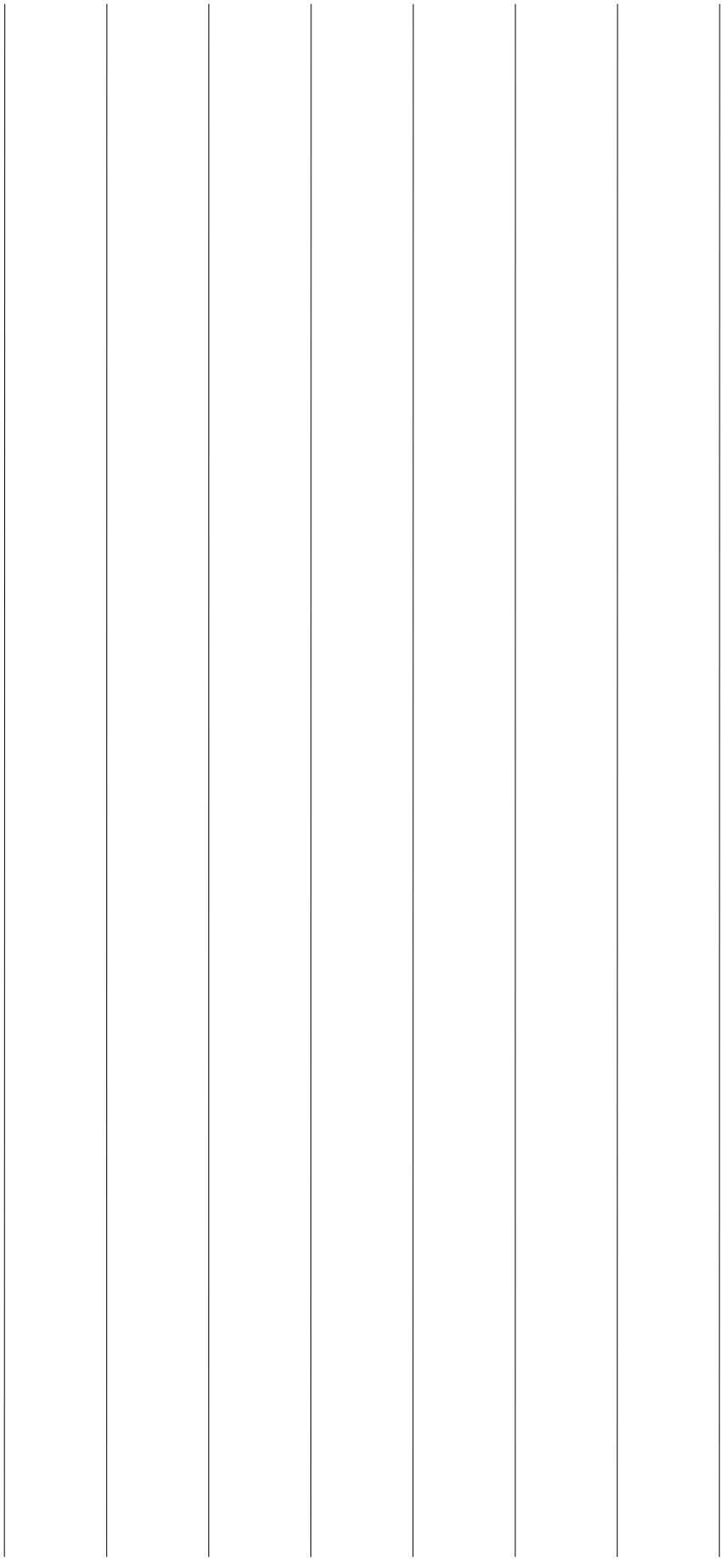
NETWORK COLOR SCANNER (STD)

PCL5 /PCL6 (STD)

HDD 160 Gb (STD)

DUPLEX + RSPF (STD)

GEMINI SERIES - MX 2010U/2310U/3111U **ARIES SERIES - MX-2610N / 3110N / 3610N**



PANNELLO OPERATIVO GEMINI

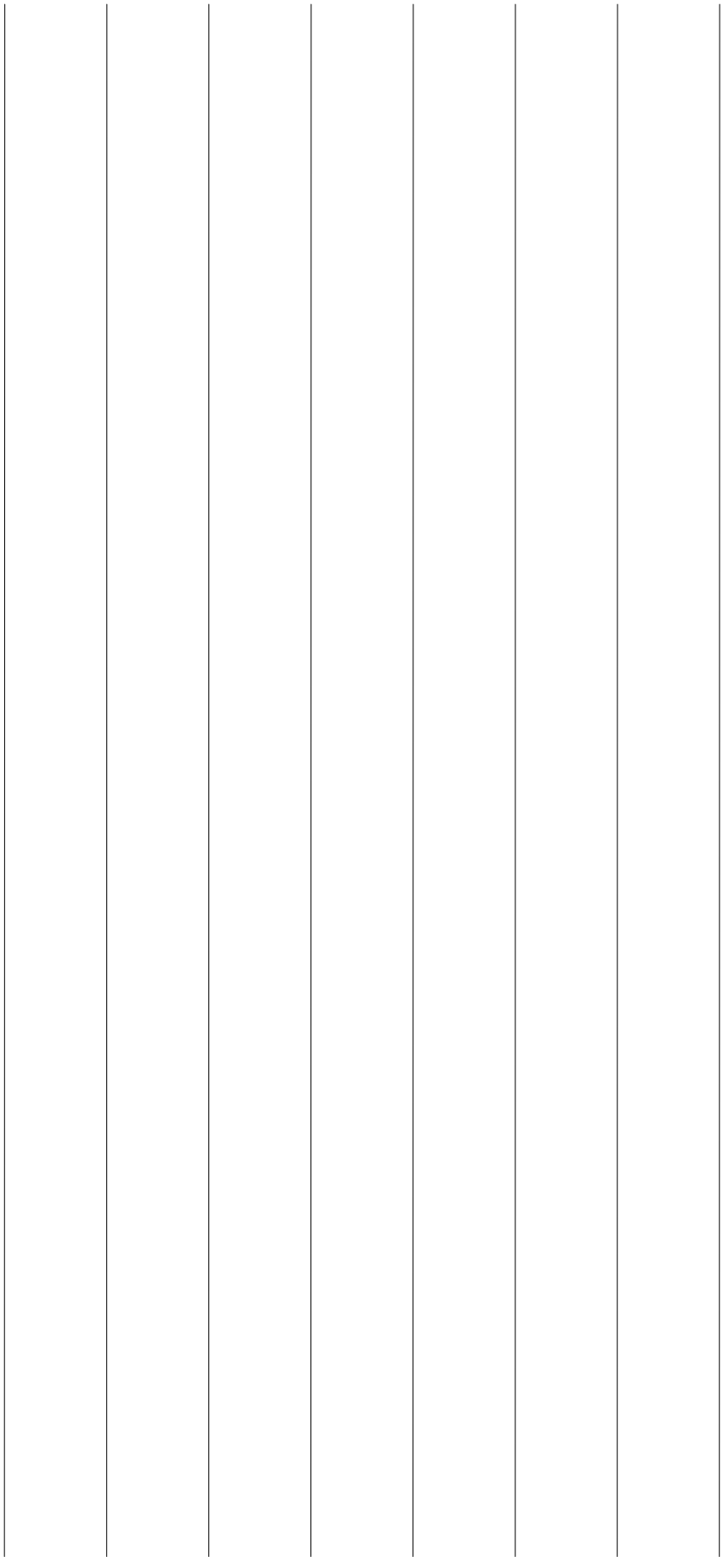
Porta USB laterale

Porta USB frontale

- Porte USB:
  - entrambe abilitate
  - disabilitabili da Impostazioni di Sistema
- Pannello operativo:
  - 6 sfondi disponibili

Penna per digitazione

MX-2310U : Touch screen colore 7.0”



PANNELLO OPERATIVO ARIES

Porta USB laterale

Porta USB frontale

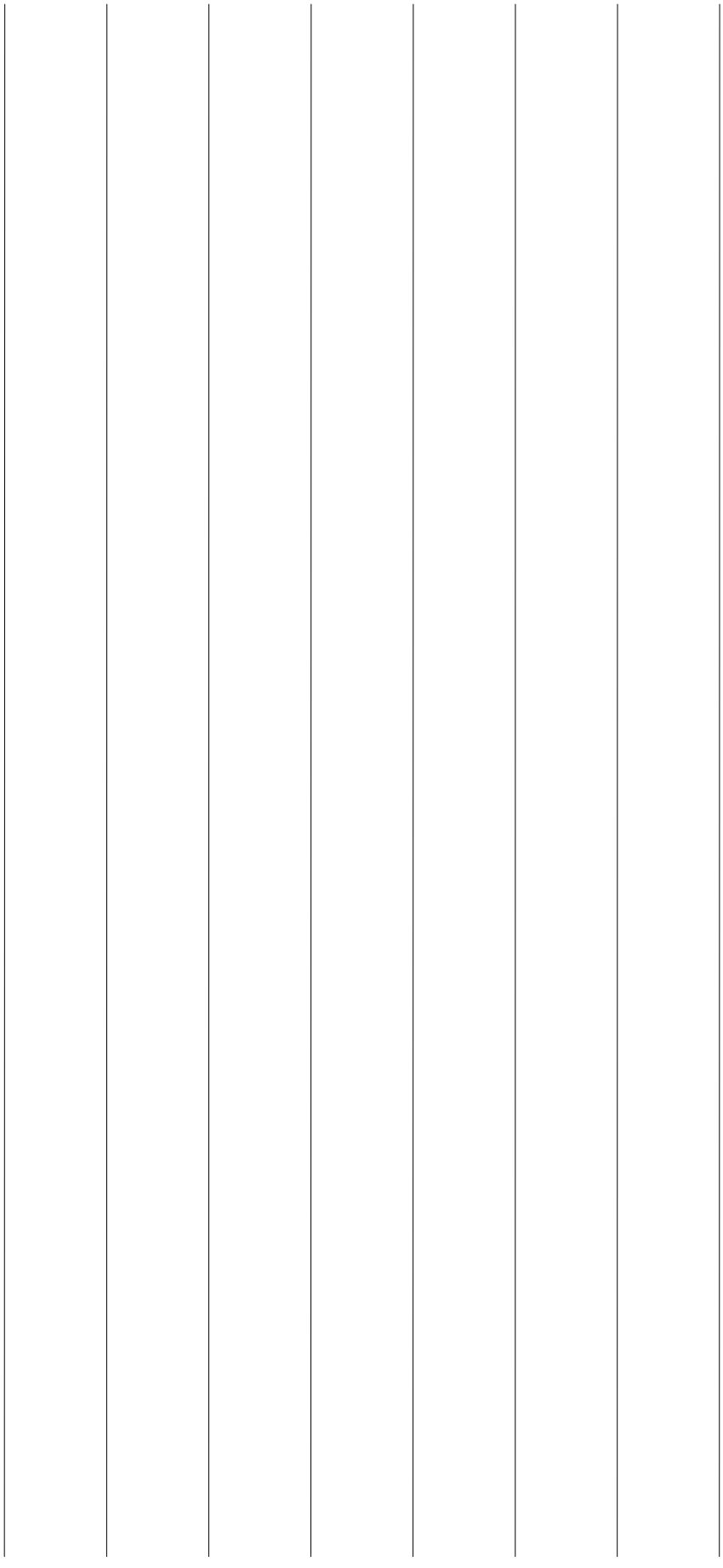
- Porte USB:
  - entrambe abilitate
  - utilizzabili contemporaneamente
  - disabilitabili da Impostazioni di Sistema
- Pannello operativo:
  - 7 sfondi disponibili
  - sfondo personalizzabile
  - protetto da LCD Protection Sheet (**PSHEP6355FCZZ**)
  - dalla produzione di Maggio 2011 posizionabile in 5 posizioni

Penna per digitazione

(disponibile come ricambio) vedi Bollettino Tecnico ARS003

Touch screen colore 10.1” ripiegabile

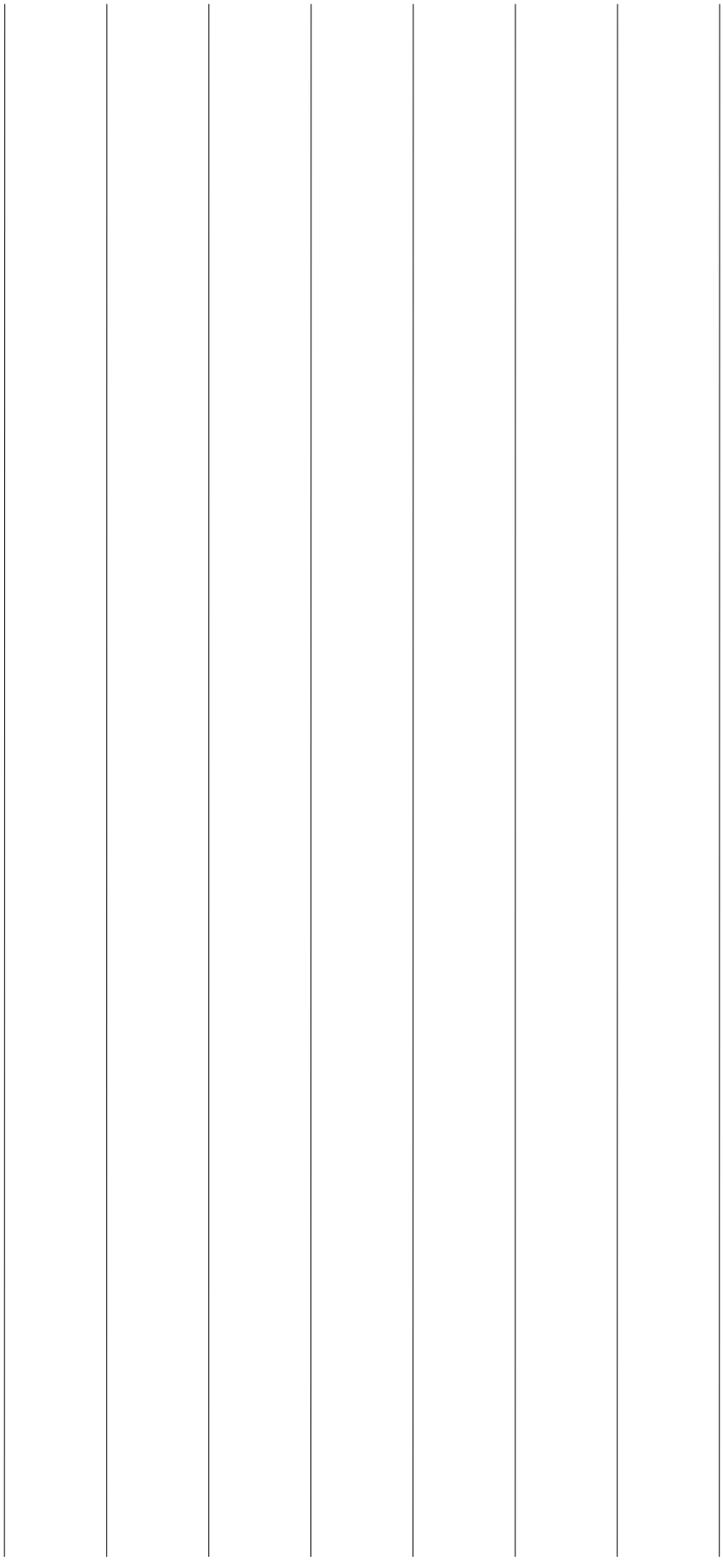
Tastiera a scomparsa (opt.)



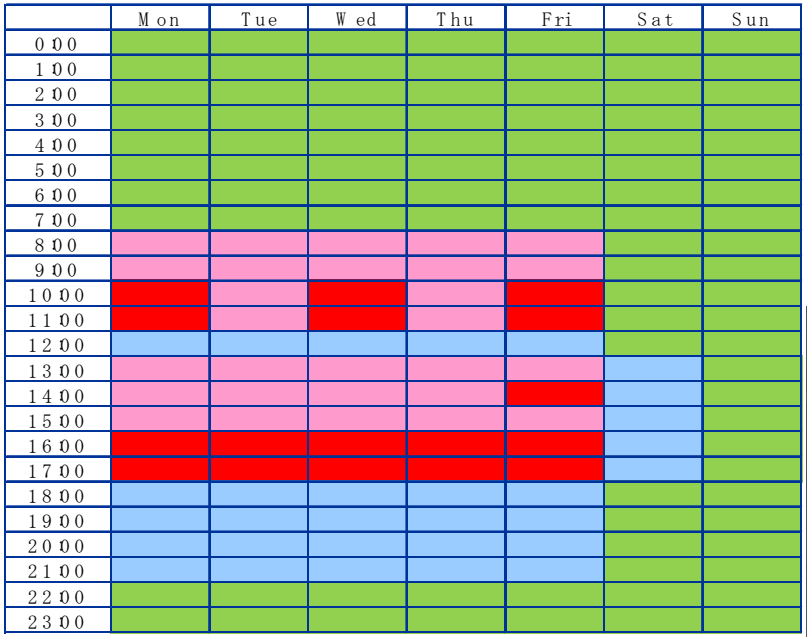
PANNELLO OPERATIVO ARIES

- Pagina HOME:
  - 6 schemi fissi per aumentare o diminuire icone
  - funzione di anteprima avanzata
  - visualizzazione manuale utente
  - navigazione su Internet con Web browsing (opt.)

- Menù delle IMPOSTAZIONI DI SISTEMA:
  - grafica uguale a quella della pagina web



RISPARMIO ENERGETICO



- Risparmio energia :
  - Timer per Preriscaldamento
  - Timer per autospegnimento
  - Impostazione spegnimento/accensione automatica (giorno/ora)
  - Impostazione Gestione risparmio energetico gestita in automatico

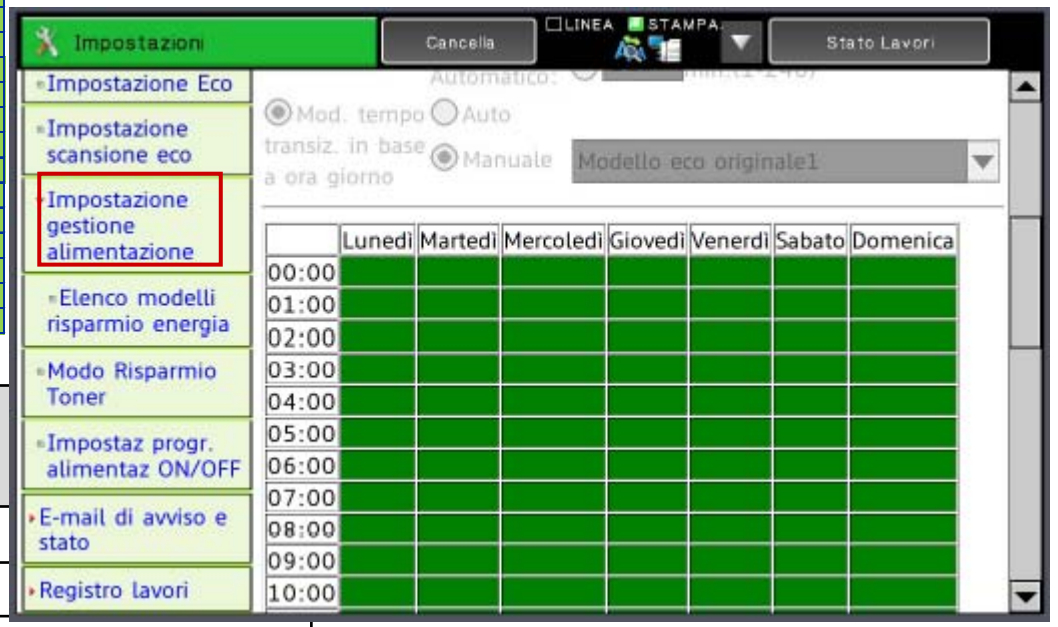
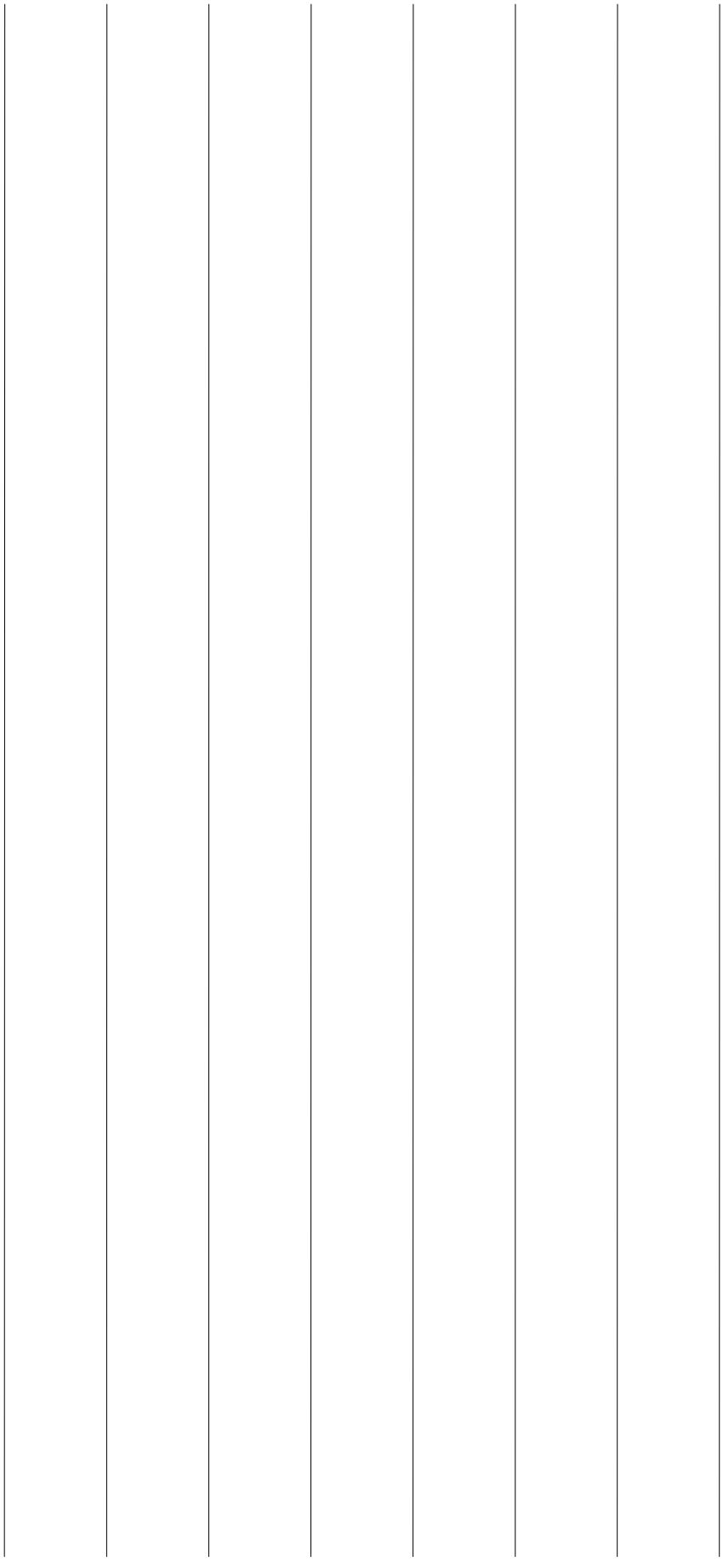


Tabella risparmio energetico	Outline of mode
Job priority1	Spegnimento automatico dopo 1 ora
Job priority2	Spegnimento automatico dopo 30 minuti
Power Save1	Spegnimento automatico dopo 5 minuti
Power save2	Spegnimento automatico al completamento del job



PRESTAZIONI

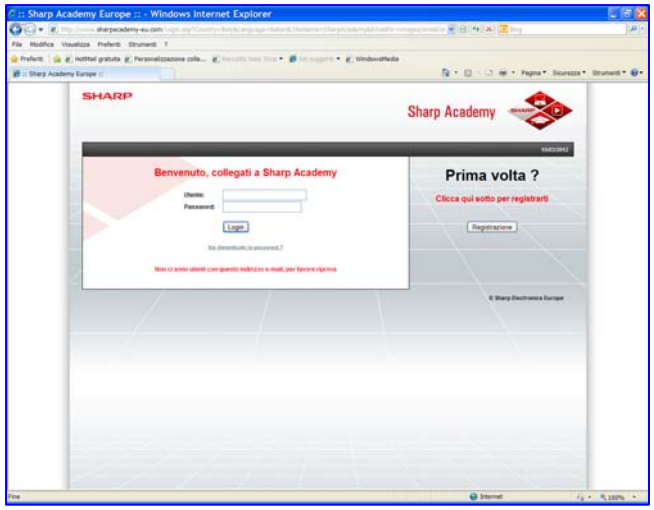
Model	MX-2010U	MX-2310U	MX-3111U	MX-2610N	MX-3110N	MX-3610N
Speed	20 ppm	23 ppm	31 ppm	26 ppm	31 ppm	36 ppm
Panel	8.5" color	8.5" color	8.5" color	10.1" color	10.1" color	10.1" color
Copy	Std	Std	Std	Std	Std	Std
NIC	Std	Std	Std	Std	Std	Std
Print/SAPL	Std	Std	Std	N/A	N/A	N/A
Print/PCL	Opt	Opt	Opt	Std	Std	Std
Color Scan	Std	Std	Std	Std	Std	Std
Fax	Opt	Opt	Opt	Opt	Opt	Opt
HDD	Opt	Std	Std	Std	Std	Std
Document Feeder	RSPF	RSPF	RSPF	RSPF	RSPF	RSPF
Print Resolution	600 x 600 dpi	600 x 600 dpi	600 x 600 dpi	1,200 x 1,200 dpi	1,200 x 1,200 dpi	1,200 x 1,200 dpi
Retractable Keyboard	N/A	N/A	N/A	Opt	Opt	Opt

PRESTAZIONI

Model	MX-2010U	MX-2310U	MX-3111U	MX-2610N	MX-3110N	MX-3610N
Scan to USB	Std	Std	Std	Std	Std	Std
Scan to SMB	Std	Std	Std	Std	Std	Std
Preview	N/A	Std	Std	Std	Std	Std
Print from USB	Opt	Opt	Opt	Std	Std	Std
Print from USB (PDF)	Opt	Opt	Opt	Opt	Opt	Opt
Document filing	Opt	Std	Std	Std	Std	Std
PDF compres.	N/A	N/A	N/A	Opt	Opt	Opt
Fax	Opt	Opt	Opt	Opt	Opt	Opt
Inboud routing	Opt	Opt	Opt	Opt	Opt	Opt
Original count	Std	Std	Std	Std	Std	Std
E-manual	CD	HDD	HDD	HDD	HDD	HDD

PRESTAZIONI

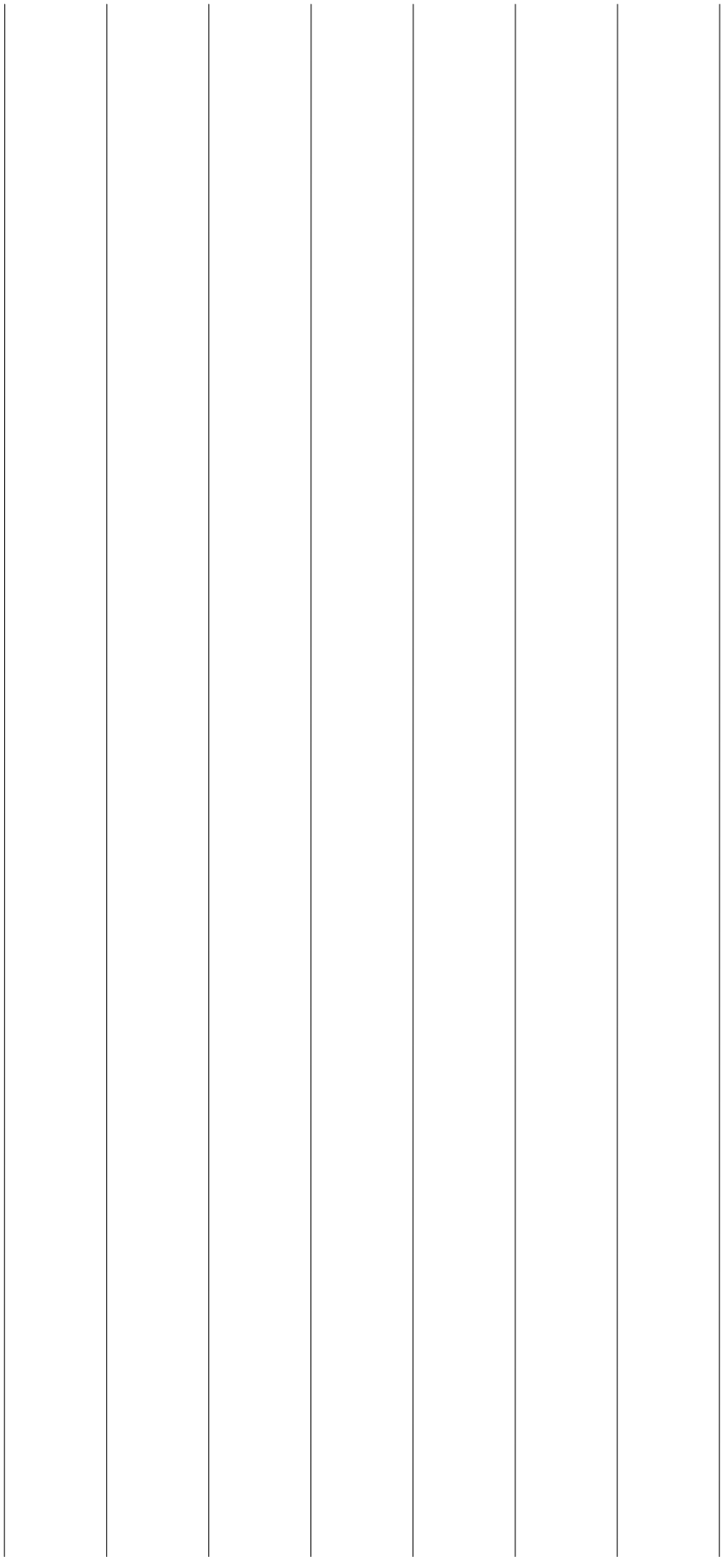
Model	MX-2010U	MX-2310U	MX-3111U	MX-2610N	MX-3110N	MX-3610N
Varm up time	40 sec	20 sec	20 sec	20 sec	20 sec	20 sec
Paper weight	Tray : 60 g/m – 209 g/m By-pass : 55 g/m – 256 g/m Duplex : 60 g/m – 209 g/m					
Duplex	Std	Std	Std	Std	Std	Std
Copy:print resolution	600x600	600x600	600x600	600x600	600x600	600x600
Printer:print resolut.	600x600	600x600	600x600	600x1200	600x1200	600x1200
Copy: memory	1 Gb	1 Gb	1 Gb	2 Gb	2 Gb	2 Gb
Printer: memory	512 Mb	512 Mb	512 Mb	1 Gb	1 Gb	1 Gb
Expansion memory	Opt	Opt	Opt	Opt	Opt	Opt
Account mode	Std	Std	Std	Std	Std	Std


Sharp Academy Europe :: - Windows Internet Explorer
SHARP
Sharp Academy
Benvenuto, collegati a Sharp Academy
Prima volta ?
Clicca qui sotto per registrarti

Sharp Academy

http://www.sharpacademy-eu.com

GEMINI SERIES - MX 2010U/2310U/3111U ARIES SERIES - MX-2610N / 3110N / 3610N



GRAMMATURA CARTA

Paper type	Paper feed tray	Manual feed tray
Postcard	NA	20 sheets
Envelope	NA	20 sheets
OHP	NA	20 sheets
Heavy paper	200 sheets	40 sheets
Tab paper	NA	20 sheets
Glossy paper	NA	1 sheet
Others	NA	1 sheet

*A3W in uscita richiede MX-TR12 (exit tray) o MX-FN17

RSPF – 100 fogli (35-128gr), A5 – A3

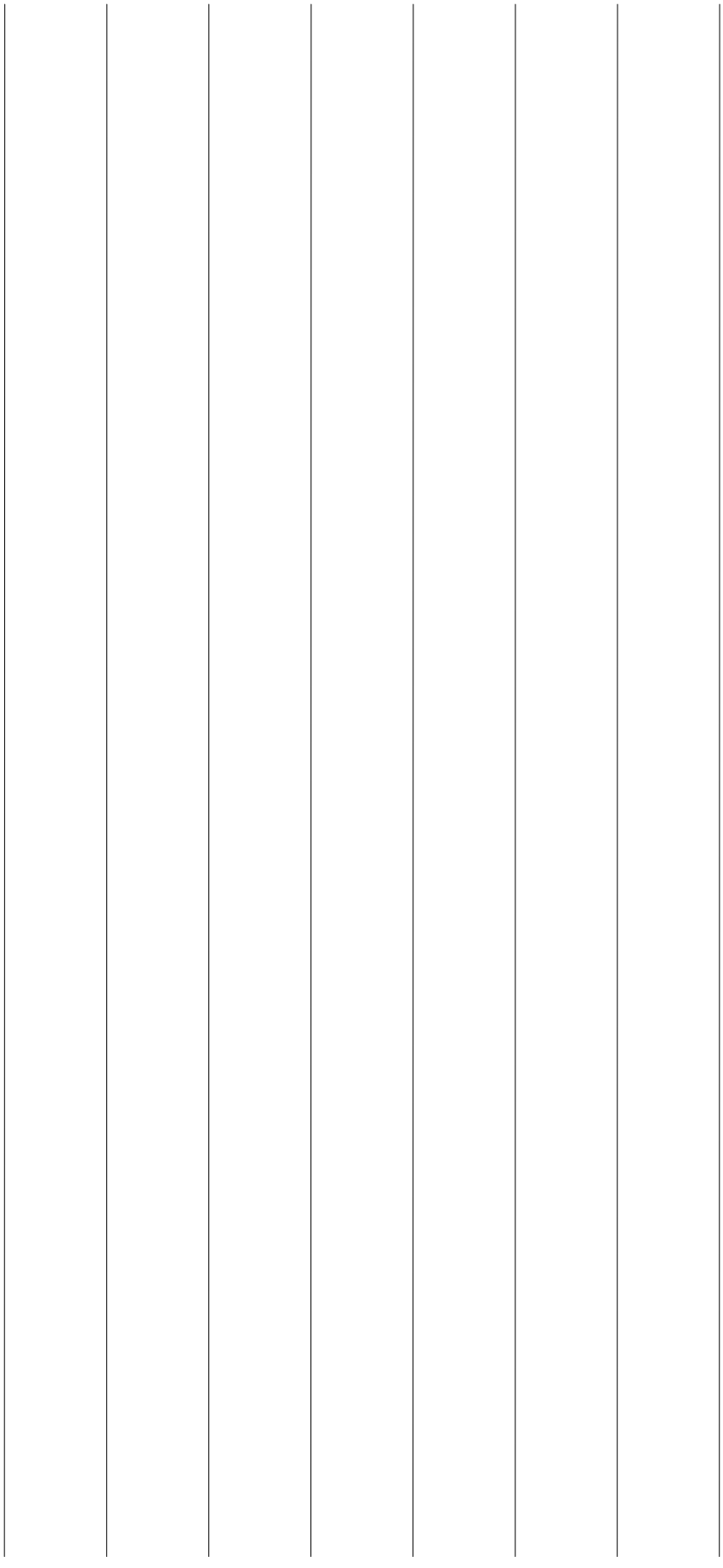
Uscita DX – 100 fogli (80gr), A4

Uscita STD – 400 fogli (80gr), A4

Bypass: 100 fogli (55-256gr)
Std A5R – A3W

Trays: 500 fogli cad. (60-209gr)
2 x std A5R – A3
2 x opt

TTL Std 1100 fogli
TTL Max 5600 fogli



INSTALLAZIONE:MANUALI DI RIFERIMENTO

SHARP INSTALLATION MANUAL

DIGITAL FULL COLOR MULTIFUNCTIONAL SYSTEM

MX-2010U/2310U
MX-2610N/3110N
MODEL MX-3610N

CONTENTS

SHARP CORPORATION

Installazione MFP+opzioni

SHARP

GUIDA SUPPLEMENTARE ALL'INSTALLAZIONE

Gemini plus MX-2310U

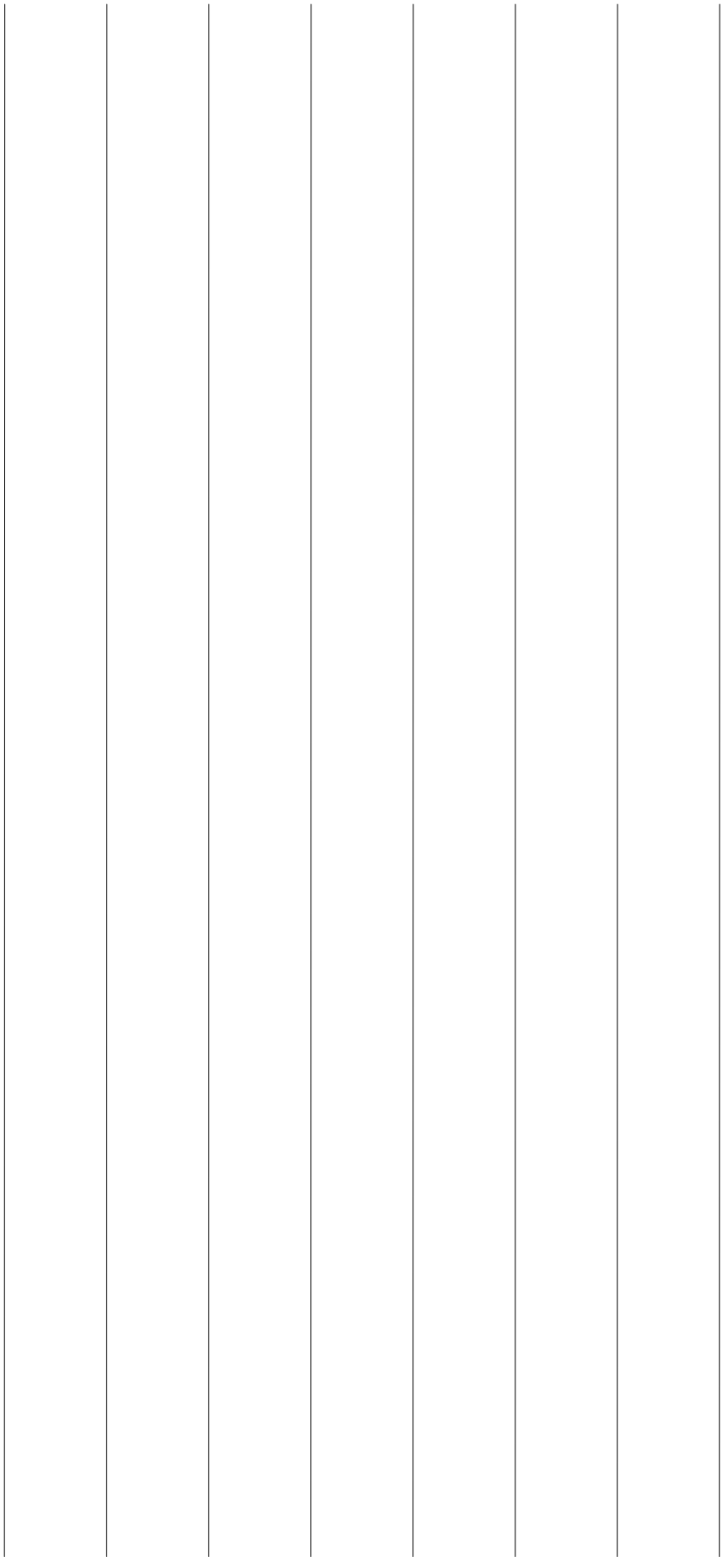
Aries series MX-2610N MX-3110N MX-3610N

Guida rapida per l'istallazione

- Operazioni :
  - Togliere i fermi
  - Inserire i developer
  - Eseguire la taratura di concentrazione DV
  - Inserire i toner
  - Impostare linguaggio del touch screen
  - Eseguire gli adj. relativi all'installazione

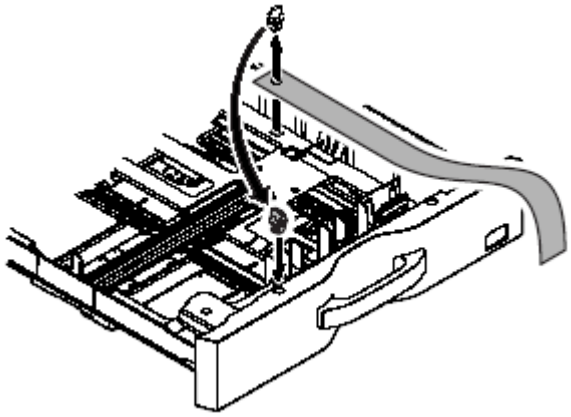
- Installazione opzionali :
  - Attenersi alle istruzioni del Installation Manual

GEMINI SERIES - MX 2010U/2310U/3111U **ARIES SERIES - MX-2610N / 3110N / 3610N**

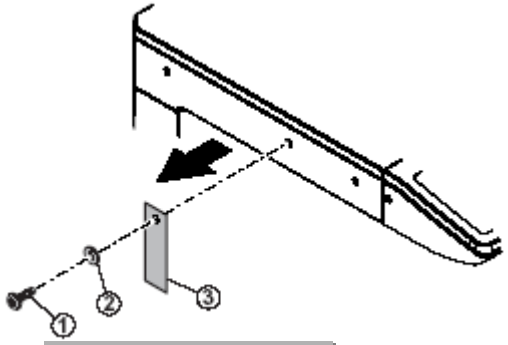


INSTALLAZIONE

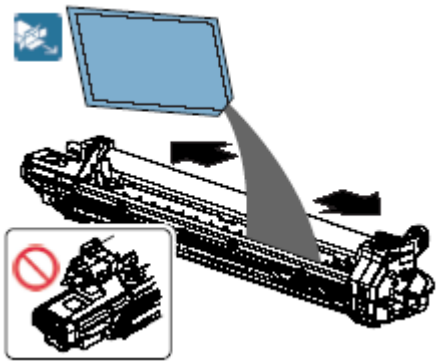
Bloccaggio cassetto



Bloccaggio scanner

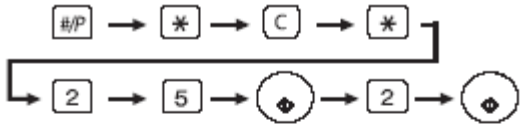


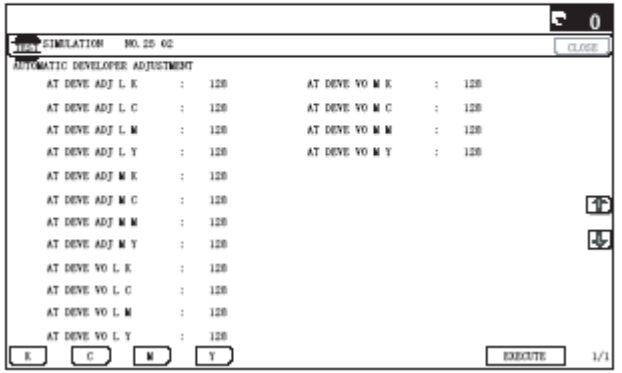
Inserimento Developer



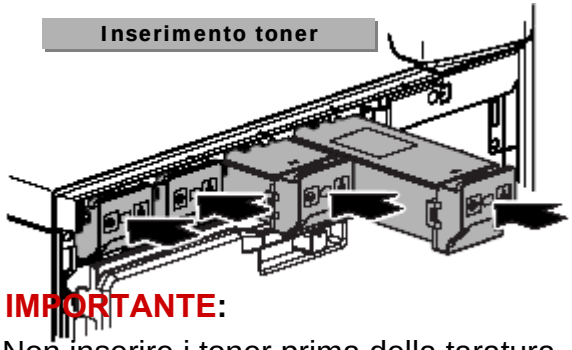
OK **NG** **NG**

Taratura concentrazione



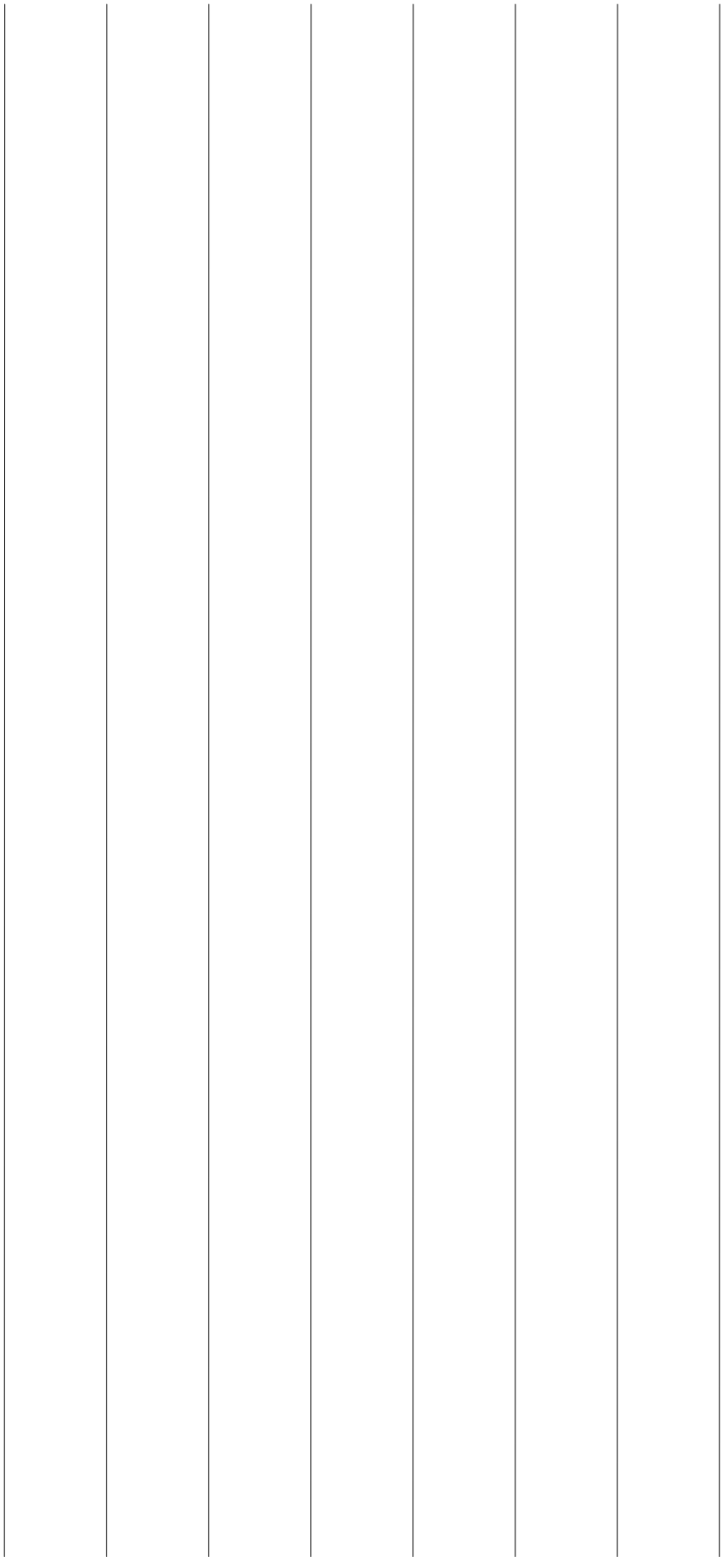


Inserimento toner



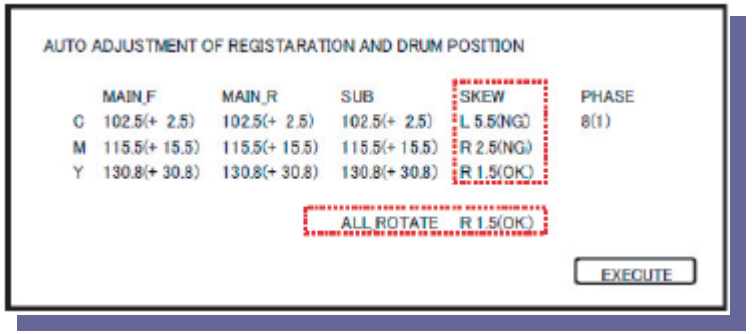
IMPORTANTE:

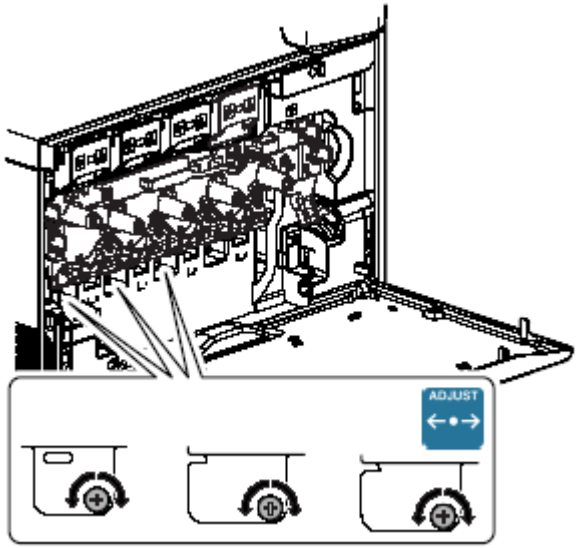
- Non inserire i toner prima della taratura di concentrazione (SIM.25-02)



INSTALLAZIONE: adjustments

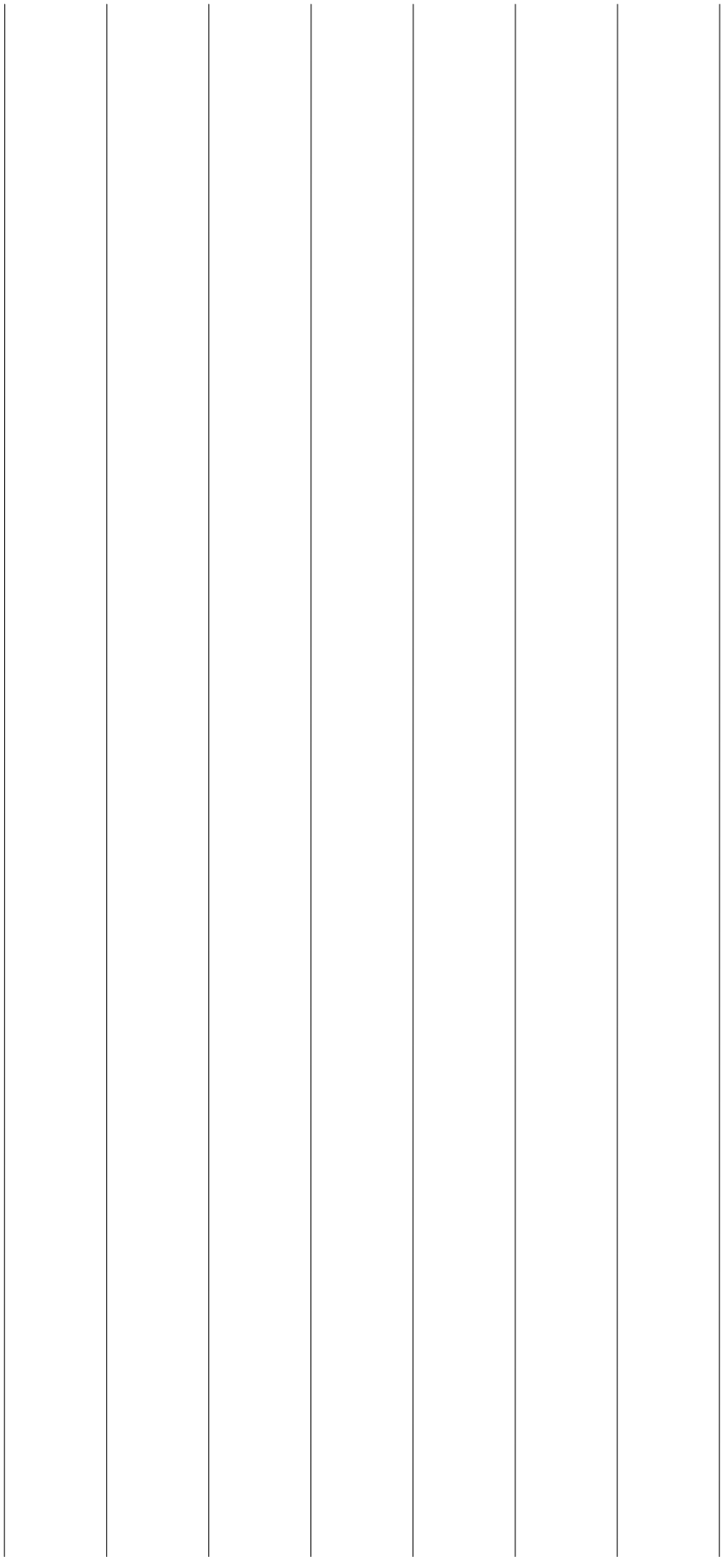
- Adjustments :
  - SIM. 25-02 : Regolazione concentrazione developer
  - **SIM. 50-22 : Regolazione fase + registro colore**
  - SIM. 46-74 : Calibrazione colore (copia + stampa) automatica


AUTO ADJUSTMENT OF REGISTARATION AND DRUM POSITION
MAIN_F
MAIN_R
SUB
SKEW
PHASE
C 102.5(+ 2.5) 102.5(+ 2.5) 102.5(+ 2.5) L 5.5(NG) 8(1)
M 115.5(+ 15.5) 115.5(+ 15.5) 115.5(+ 15.5) R 2.5(NG)
Y 130.8(+ 30.8) 130.8(+ 30.8) 130.8(+ 30.8) R 1.5(OK)
ALL ROTATE R 1.5(OK)
EXECUTE



- Risultato da ottenere :
  - C (Skew) :valore numerico (OK)
  - M (Skew) :valore numerico (OK)
  - Y (Skew) : valore numerico (OK)

- Viti di regolazione :
  - valore numerico R : vite in senso orario
  - valore numerico L : vite in senso antiorario



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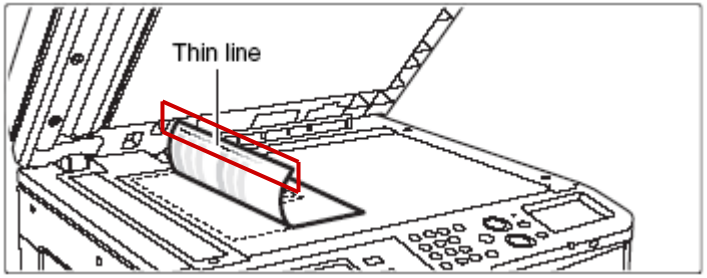
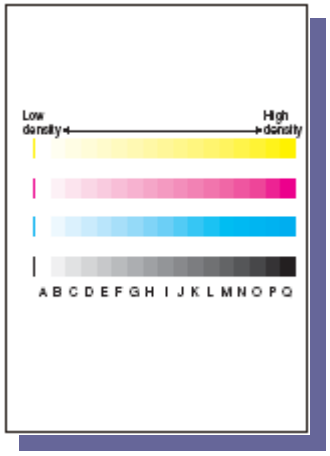


COPIA

STAMPA

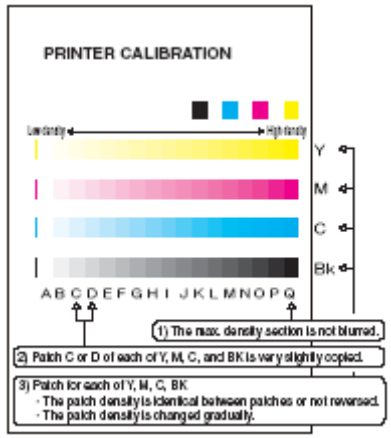
- Posizionare il lato evidenziato alla sinistra del piano esposizione

Test letto dallo scanner (A4)

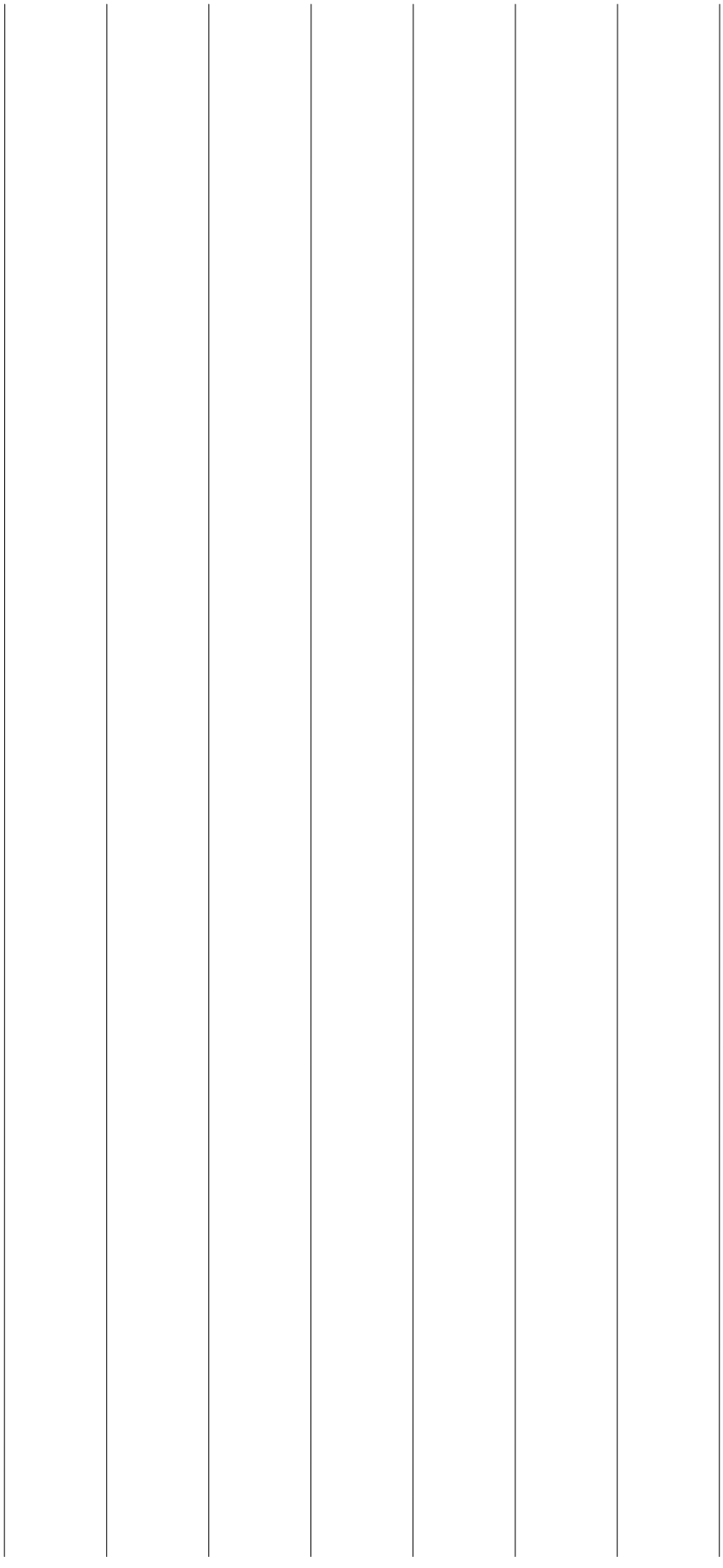


Test di controllo (A4)

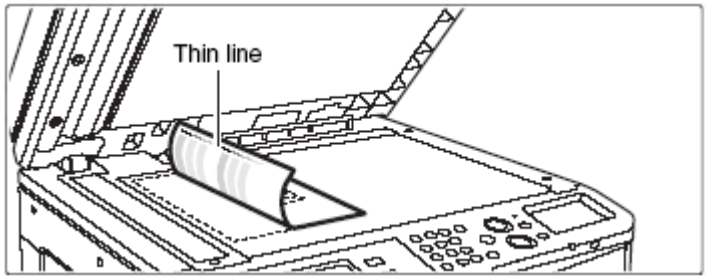
Test letto dallo scanner (A4)


PRINTER CALIBRATION
Y
M
C
Bk
A B C D E F G H I J K L M N O P Q
1) The max. density section is not blurred.
2) Patch C or D of each of Y, M, C, and BK is very slightly copied.
3) Patch for each of Y, M, C, BK
- The patch density is identical between patches or not reversed.
- The patch density is changed gradually.

Test di controllo (A4)



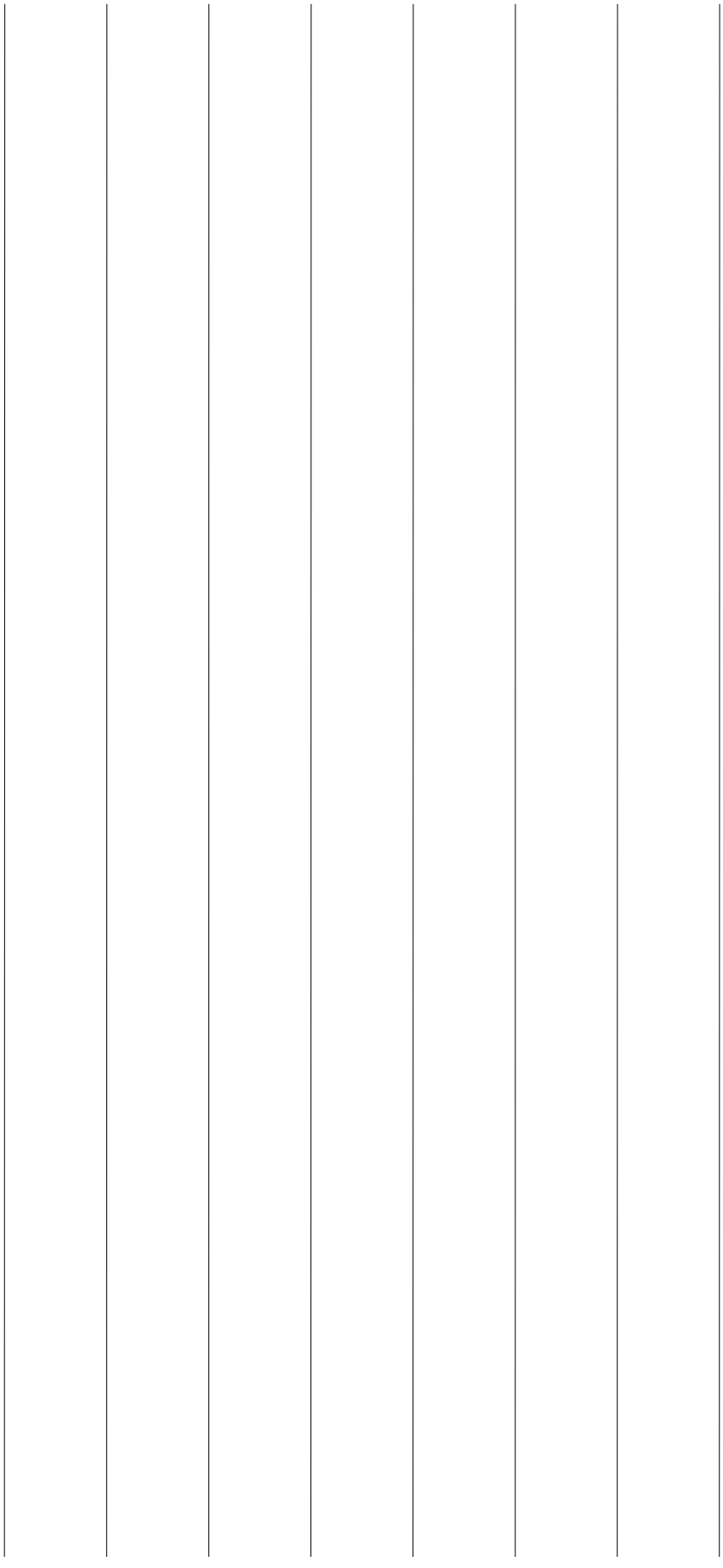
CALIBRAZIONE : USER MODE



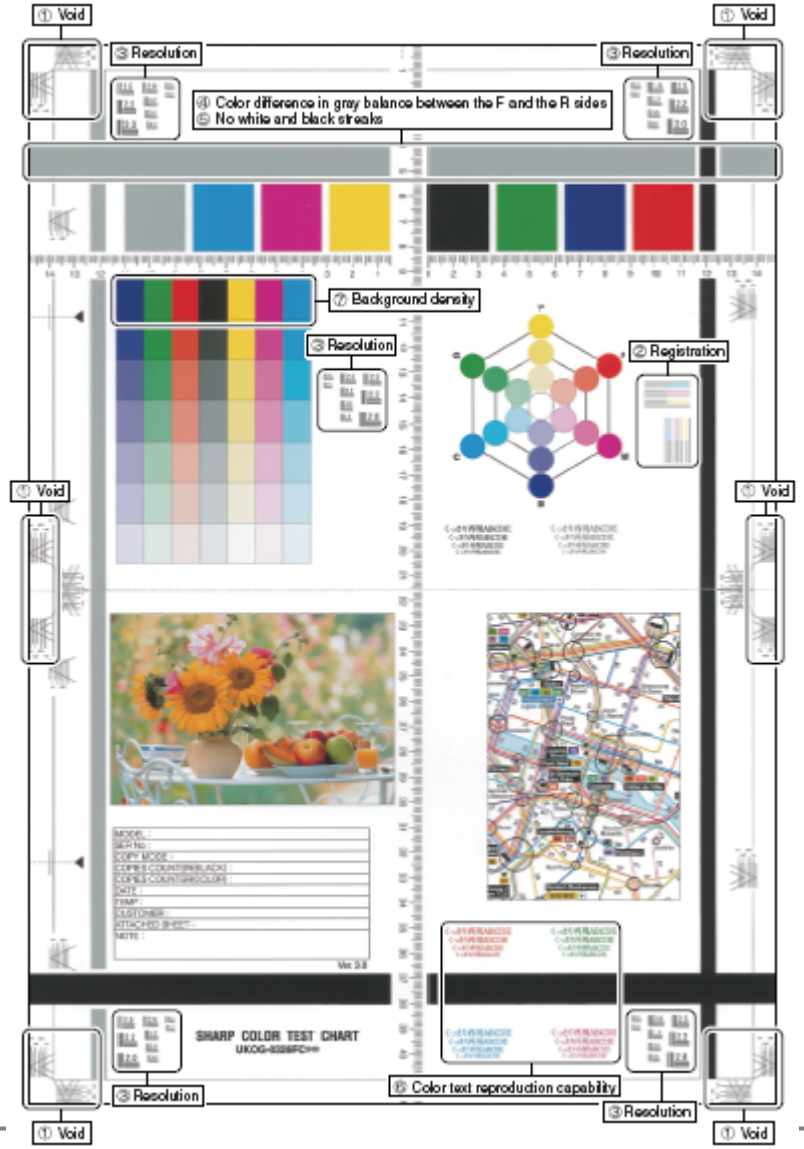
26-53	
Purpose	Setting
Function (Purpose)	User auto color calibration (color balance adjustment) Inhibit/Allow setting.

- Calibrazione colore in stampa: presente nel menù gestore “Impostazione stampante”
- Calibrazione colore in copia: presente nel menù gestore “Impostazione funzioni copia
- Questa funzione può essere interdetta all’utente settando le Sim. 26-53
- Questa funzione viene interdetta automaticamente alla scadenza dei consumabili
- La frequenza di utilizzo della calibrazione in User mode dipende dalla frequenza di utilizzo della MFP e dalle condizioni ambientali

Item/Display		Content		Setting range	Default value
A	COPY (1:YES 0:NO)	Copy mode	Allow	1	1
			Inhibit	0	
B	PRINTER (1:YES 0:NO)	Printer mode	Allow	1	1
			Inhibit	0	



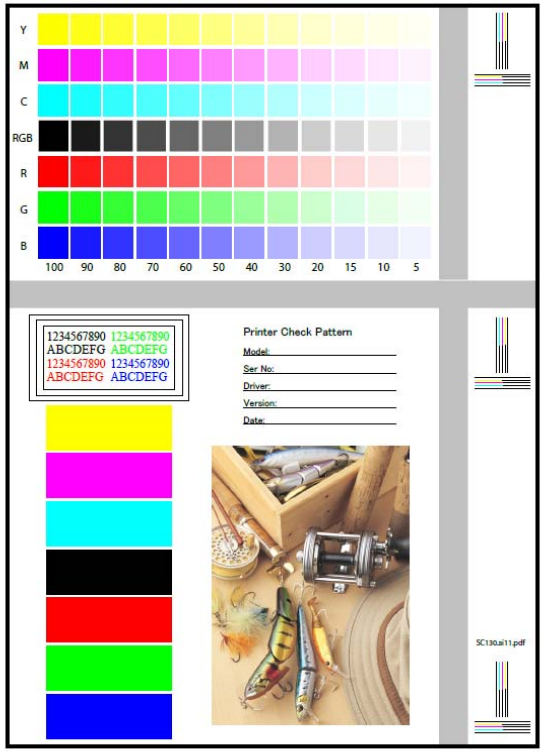
TEST CHART (UKOG-0326FCZZ)


① Void
③ Resolution
④ Color difference in gray balance between the F and the R sides
⑤ No white and black streaks
⑦ Background density
② Registration
SHARP COLOR TEST CHART
⑥ Color text reproduction capability

GEMINI SERIES - MX 2010U/2310U/3111U **ARIES SERIES - MX-2610N / 3110N / 3610N**

ADJUSTMENTS:CALIBRAZIONE COLORE AUTO

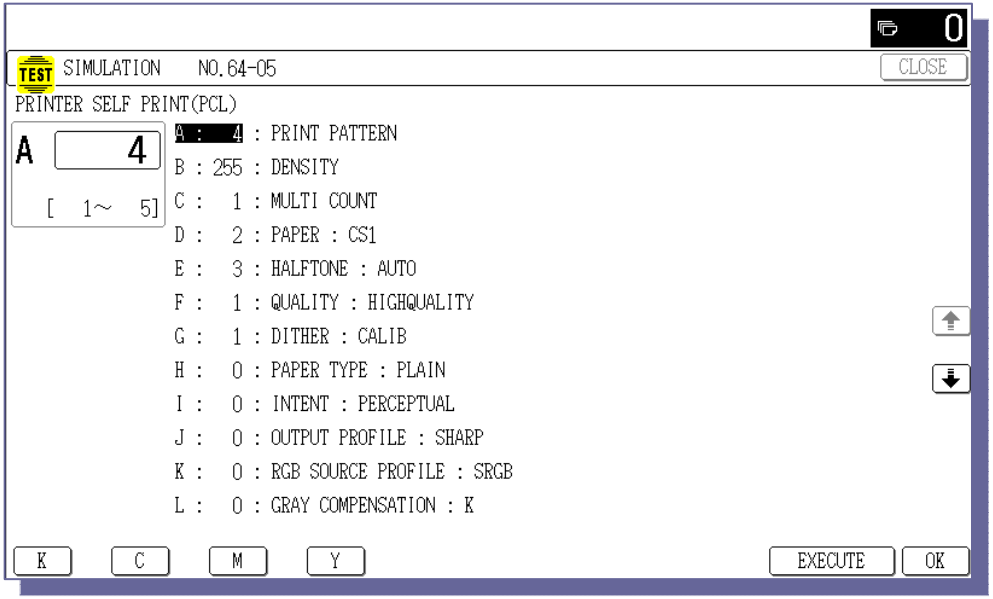
PRINT PATTERN 4



PRINT PATTERN 3

64-5	
Purpose	Operation test/check
Function (Purpose)	Printer test print. (Self print) (PCL)

- E' possibile verificare la calibrazione della stampa generando il PRINT PATTERN 4 oppure il 3
(solo in presenza scheda PCL)


0
TEST
SIMULATION NO.64-05
CLOSE
PRINTER SELF PRINT(PCL)
A 4
[1~ 5]
A : 4 : PRINT PATTERN
B : 255 : DENSITY
C : 1 : MULTI COUNT
D : 2 : PAPER : CS1
E : 3 : HALFTONE : AUTO
F : 1 : QUALITY : HIGHQUALITY
G : 1 : DITHER : CALIB
H : 0 : PAPER TYPE : PLAIN
I : 0 : INTENT : PERCEPTUAL
J : 0 : OUTPUT PROFILE : SHARP
K : 0 : RGB SOURCE PROFILE : SRGB
L : 0 : GRAY COMPENSATION : K
K
C
M
Y
EXECUTE
OK

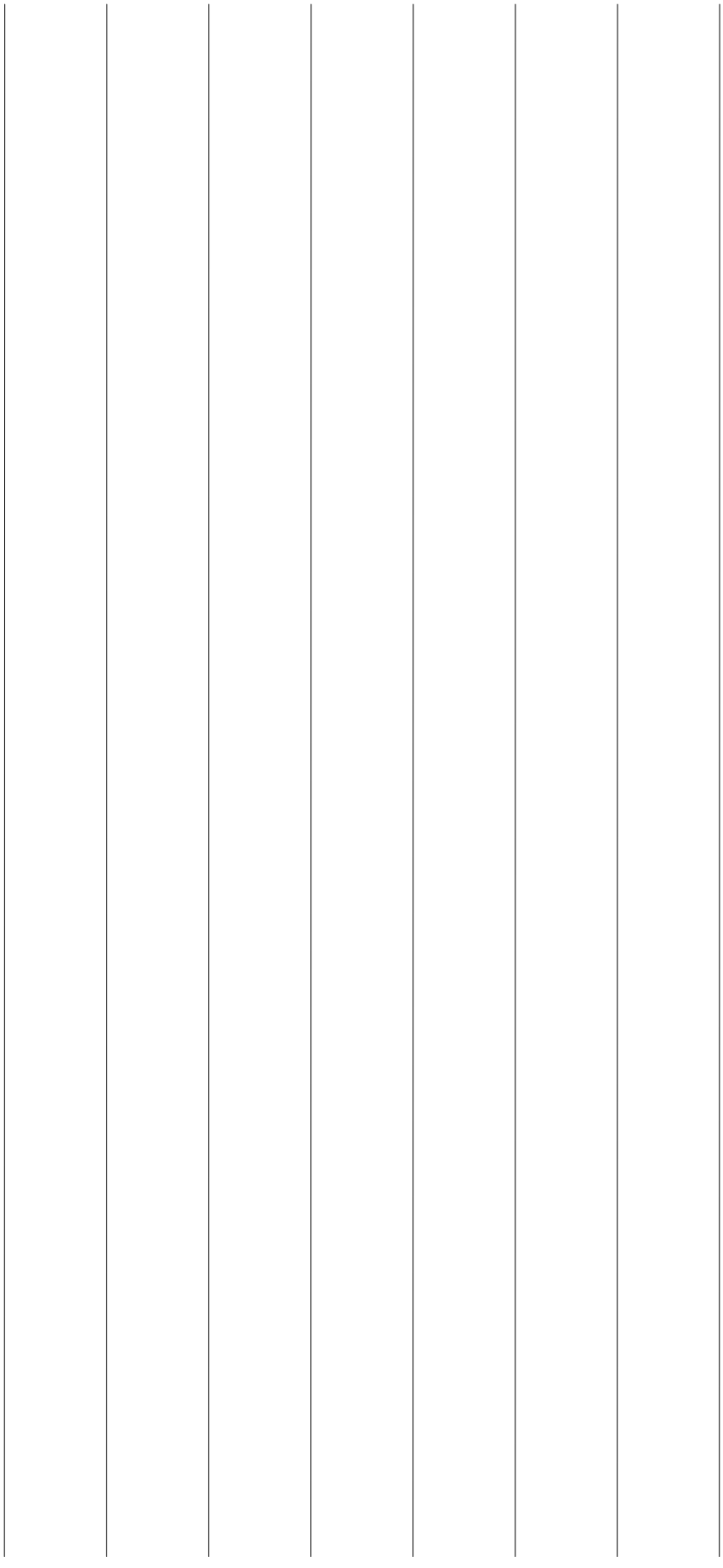
MANUALI UTENTE: memorizzati su (HDD)

49-3	
Purpose	
Function (Purpose)	Used to update the operation manual in the HDD.

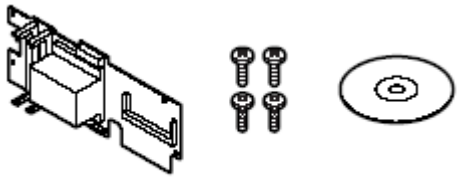
- GEMINI:
  I manuali di utilizzo cartacei sono stati sostituiti da una sola GUIDA OPERATIVA (aggiornabile) previo download da pagina web
- La macchina ha comunque in dotazione in cartaceo una Guida di apprendimento rapido

- ARIES:
  La GUIDA OPERATIVA è consultabile a display o su PC previo download da pagina web
- La macchina ha comunque in dotazione in cartaceo una Guida di apprendimento rapido

GEMINI SERIES - MX 2010U/2310U/3111U ARIES SERIES - MX-2610N / 3110N / 3610N

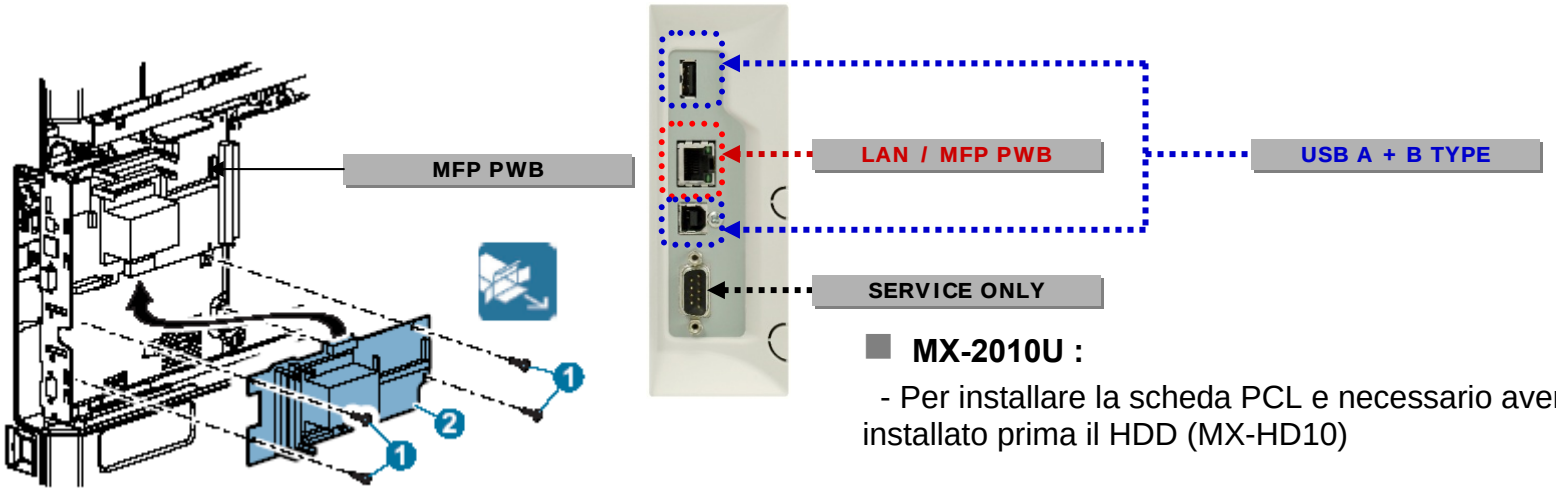


MX-PB14 (GEMINI)

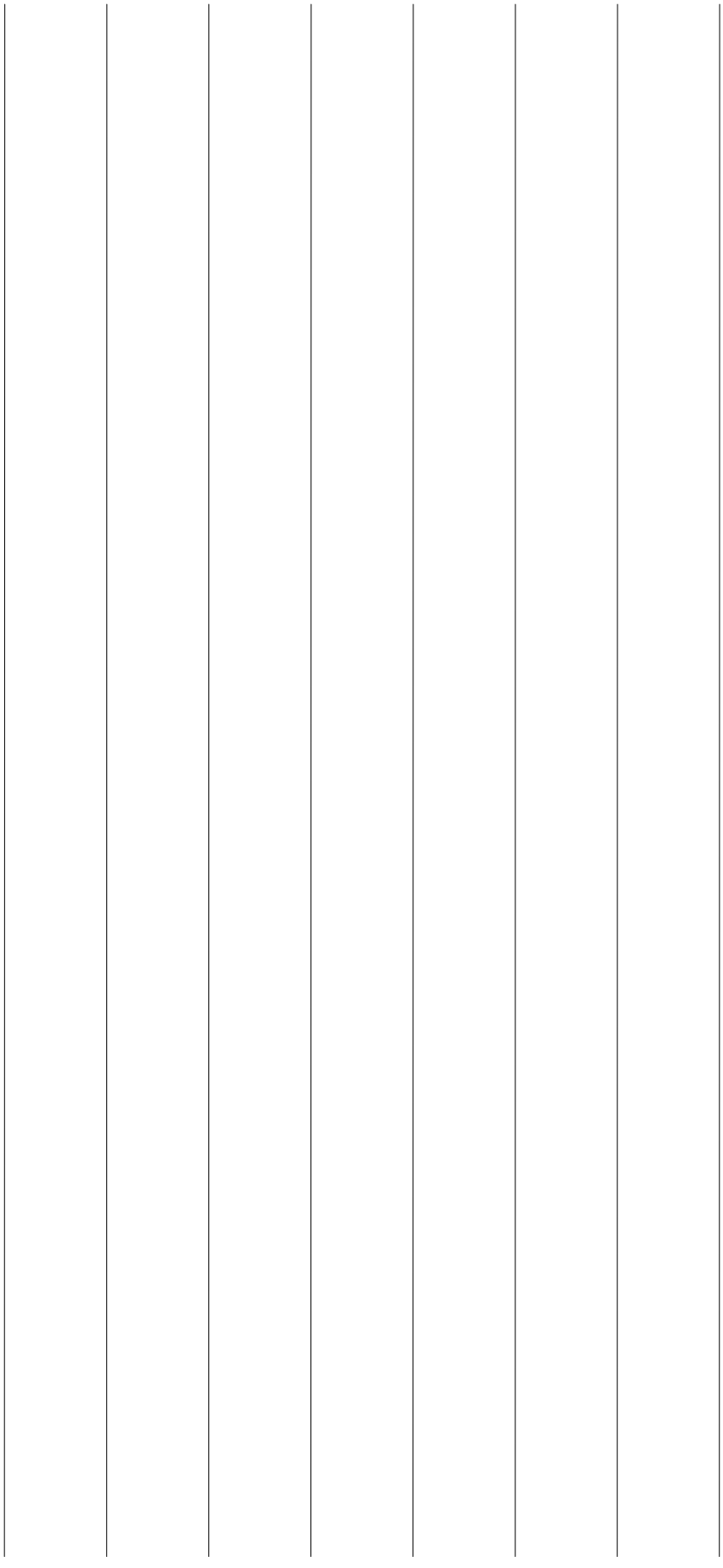


No.	Name
1	Printer control PWB
2	Screw
3	CD-ROM

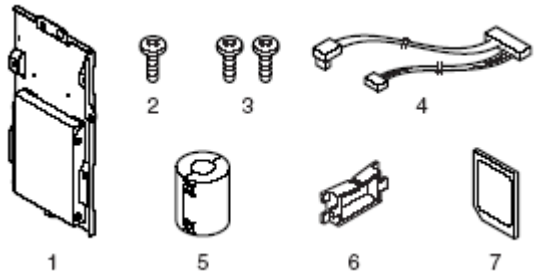
Funzioni	STD	PB14
Scansione a HDD	SI	SI
Scansione a USB (penna)	SI	SI
Scansione in rete	SI	SI
Invio file in rete (da HDD)	SI	SI
Stampa da USB (penna)	NO	SI
Stampa da rete	SAPL	PCL6



- **MX-2010U :**
  - Per installare la scheda PCL e necessario avere installato prima il HDD (MX-HD10)



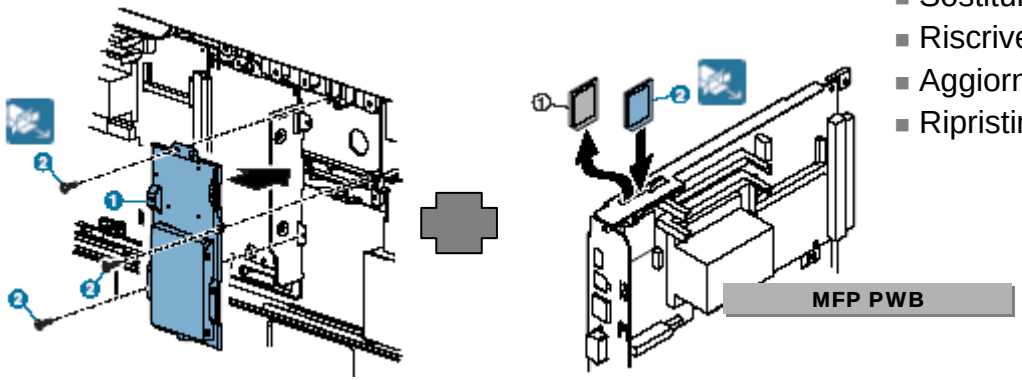
MX-HD10 (GEMINI MX-2010U)

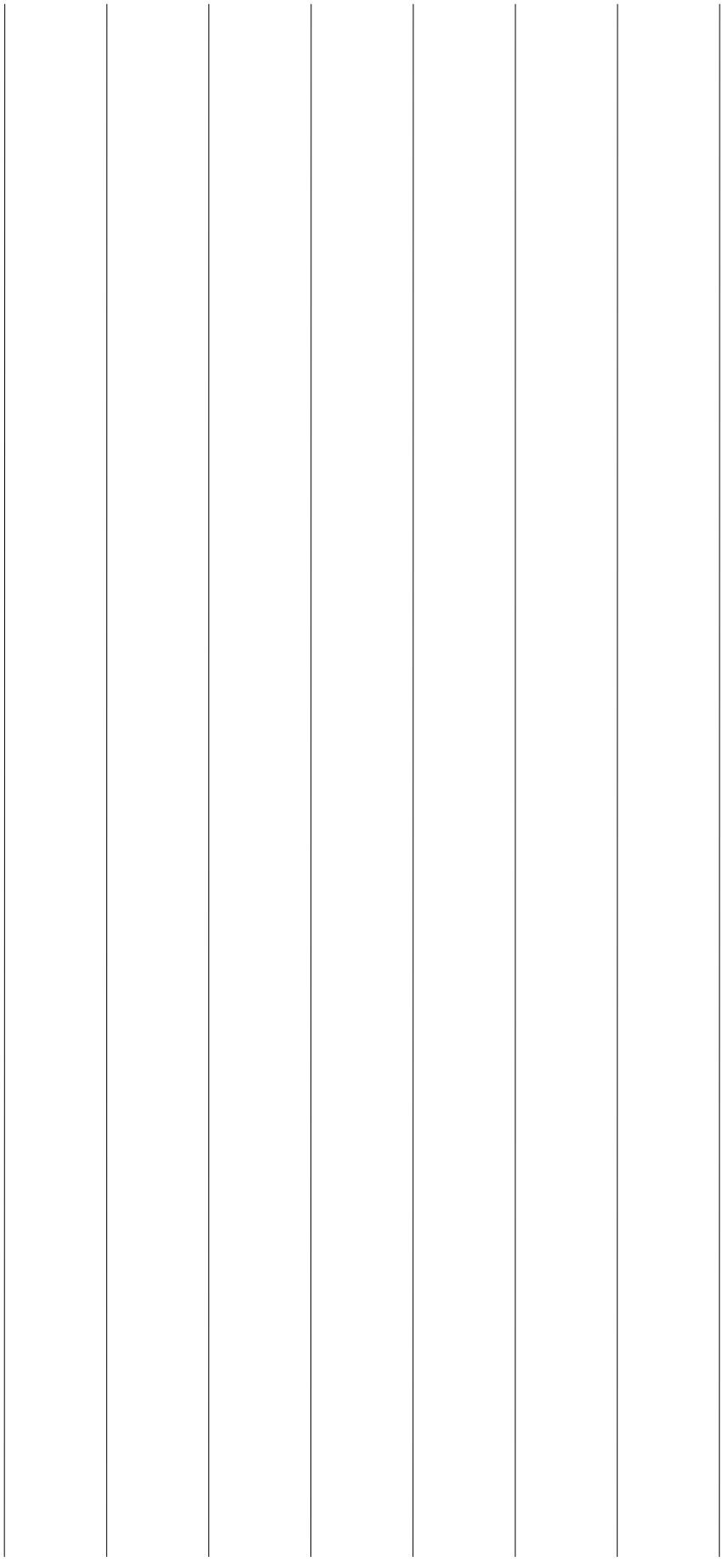


No.	Name	Quantity
1	HDD unit	1
2	Screw (M3 x 6 S-tight)	1
3	Screw (M4 x 10 P-tight)	2
4	SATA cable	1
5	Ferrite core	1
6	Edge saddle	1
7	SD card	1

Funzioni	STD	HD10
Scansione a HDD	NO	SI
Scansione a USB (penna)	SI	SI
Scansione in rete	SI	SI
Invio file in rete (da HDD)	NO	SI
Stampa da USB (penna)	NO	SI
Stampa da rete	SAPL	SAPL

- Salvare dati settaggi (sim. 56-02) su USB
- Installare e collegare HDD
- Salvare dati SD CARD (sim. 56-11) su HDD
- Sostituire SD CARD
- Riscrivere dati sulla nuova SD CARD (sim. 56-12) da HDD
- Aggiornare il firmware utilizzando quello della MX-2310U
- Ripristinare dati settaggi (sim. 56-02) da USB





CONSUMABILI: DRUM + DEVELOPER

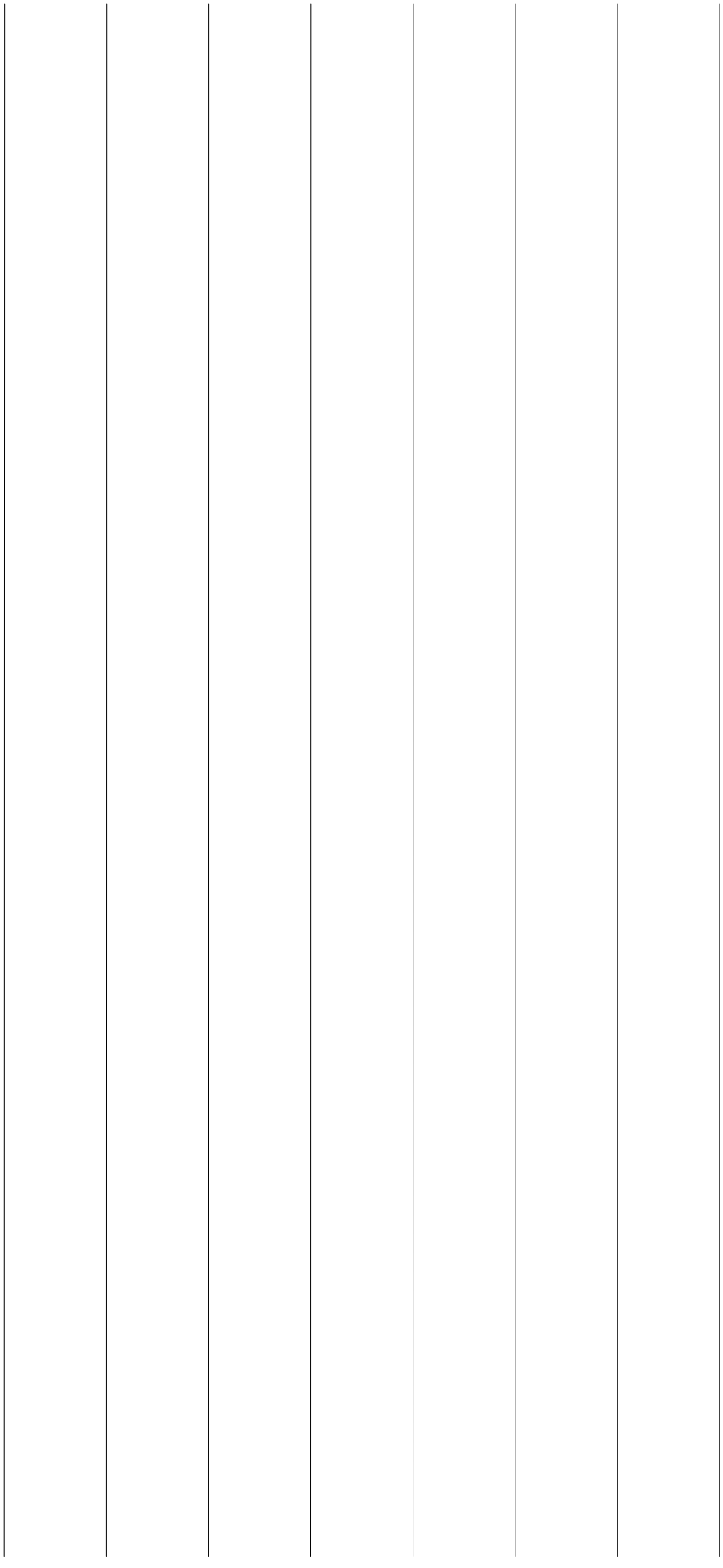
Item	Content		Life	Model name
Developer (Black)	Developer (Black developer)	x 1	100K	MX-36GV-BA
Developer (Cyan/Magenta/ Yellow: 3 colors/set)	Developer (Cyan/Magenta/Yellow: 3 colors/set) (Developer (each colors))	x 1	60K	MX-36GV-SA
Drum	OPC drum	x 1	100K (Black) 60K (Color)	MX-36GR-SA
Drum unit	OPC drum unit (Process unit + OPC drum) Color identification seal (B/C/M/Y) x 1 each Charger cleaner	x 1 x 1 x 1	100K (Black) 60K (Color)	MX-36GU-SA

MX-2010U / 2310U /2311U

MX-2610N / 3110N

Item	Content		Life	Model name
Developer (Black)	Developer (Black developer)	x 1	120K	MX-36GV-BA
Developer (Cyan/Magenta/ Yellow: 3 colors/set)	Developer (Cyan/Magenta/Yellow: 3 colors/set) (Developer (each colors))	x 1	70K	MX-36GV-SA
Drum	OPC drum	x 1	120K (Black) 70K (Color)	MX-36GR-SA
Drum unit	OPC drum unit (Process unit + OPC drum) Color identification seal (B/C/M/Y) x 1 each Charger cleaner	x 1 x 1 x 1	120K (Black) 70K (Color)	MX-36GU-SA

MX-3610N



CONSUMABILI: TONER

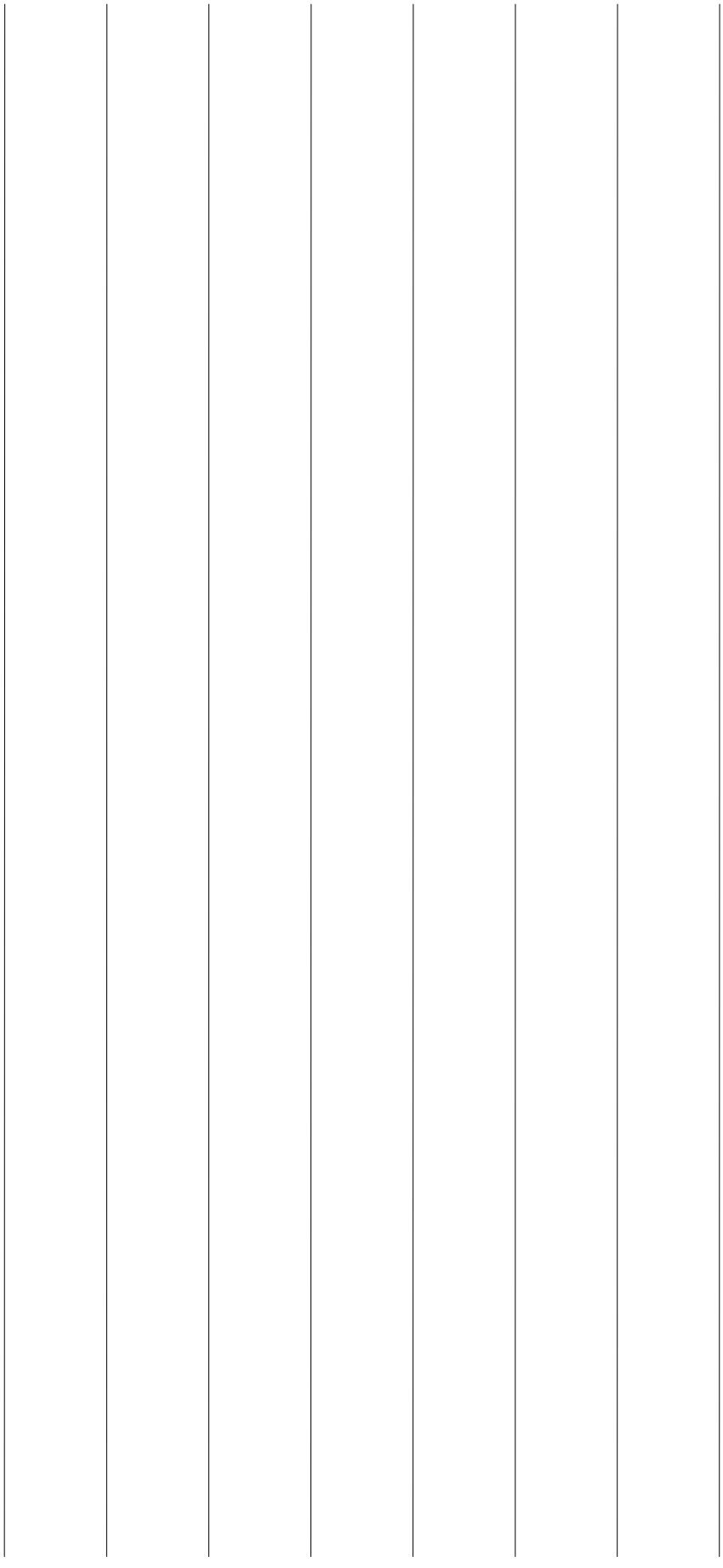
Item	Content		Life	Model name
Toner cartridge (Black)	Toner cartridge (Black toner)	x 1	18K	MX-23GT-BA
Toner cartridge (Cyan)	Toner cartridge (Cyan toner)	x 1	10K	MX-23GT-CA
Toner cartridge (Magenta)	Toner cartridge (Magenta toner)	x 1	10K	MX-23GT-MA
Toner cartridge (Yellow)	Toner cartridge (Yellow toner)	x 1	10K	MX-23GT-YA

Life: A4/Letter size at area coverage 5%

MX-2010U / 2310U /3111U

Item	Content		Life	Model name
Toner cartridge (Black)	Toner cartridge (Black toner)	x 1	24K	MX-36GT-BA
Toner cartridge (Cyan)	Toner cartridge (Cyan toner)	x 1	15K	MX-36GT-CA
Toner cartridge (Magenta)	Toner cartridge (Magenta toner)	x 1	15K	MX-36GT-MA
Toner cartridge (Yellow)	Toner cartridge (Yellow toner)	x 1	15K	MX-36GT-YA

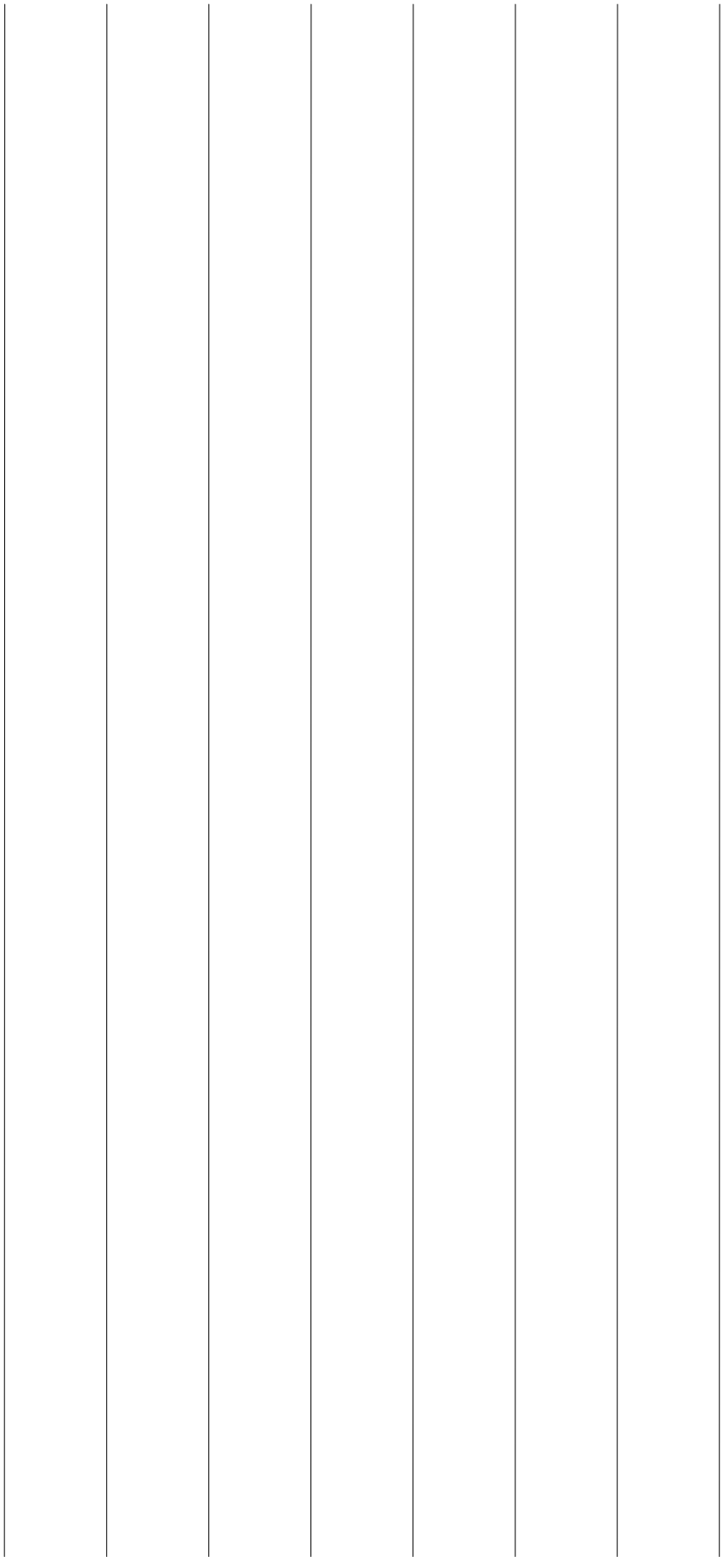
MX-2610N / 3110N / 3610N



KIT DI SERVIZIO

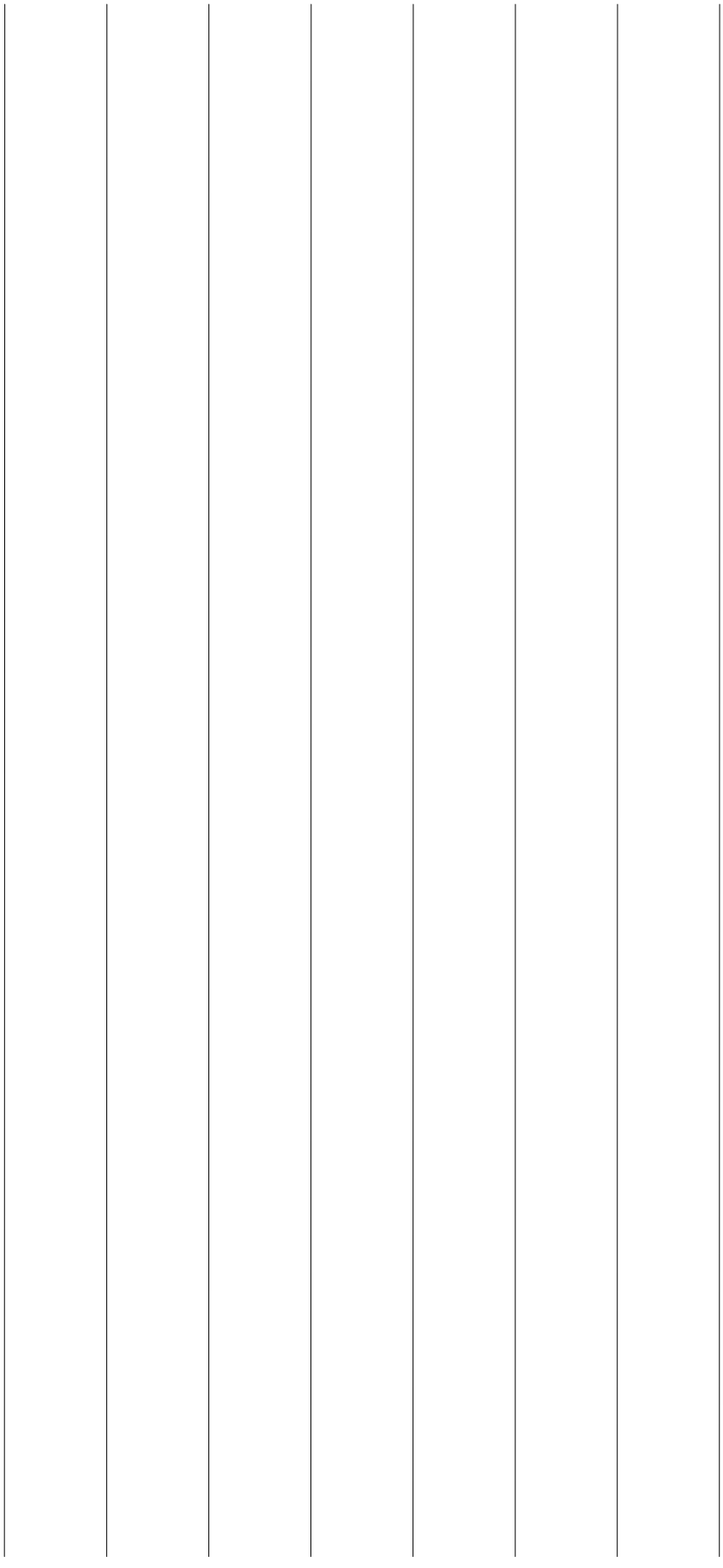
Item	Model name	Content		Life	Life MX-3610N
Fusing cleaning kit	MX-230CR	Lower oil roller Lower CL roller Lower CL roller bearing Lower CL scraper	x 1 x 1 x 2 x 1	100K	
Primary transfer belt kit	MX-230B1	Primary transfer belt AR	x 1	100K	120K
Primary transfer blade kit	MX-230TL	Primary transfer blade AR	x 1	100K	120K
PTC kit	MX-230CU	PTC unit	x 1	100K	120K
Secondary transfer belt kit	MX-230B2	Secondary transfer belt D3	x 1	300K	360K
PS paper dust removing unit	MX-230PD	PS paper dust removing unit	x 1	100K	120K
Filter kit	MX-C31FL	Ozone filter	x 1	100K	120K
Toner collection container	MX-230HB	Toner collection container (with LSU cleaner x 2)	x 1	50K	50K
Main charger kit *	MX-230MK	Main charger unit Cleaning gum AS AR Cleaning blade AR	x 1 x 1 x 1	Black: 100K Color: 60K	Black: 120K Color: 70K

- *Da utilizzare solo con MX-36GRSA (OPC drum)



KIT DI SERVIZIO:FUSIONE

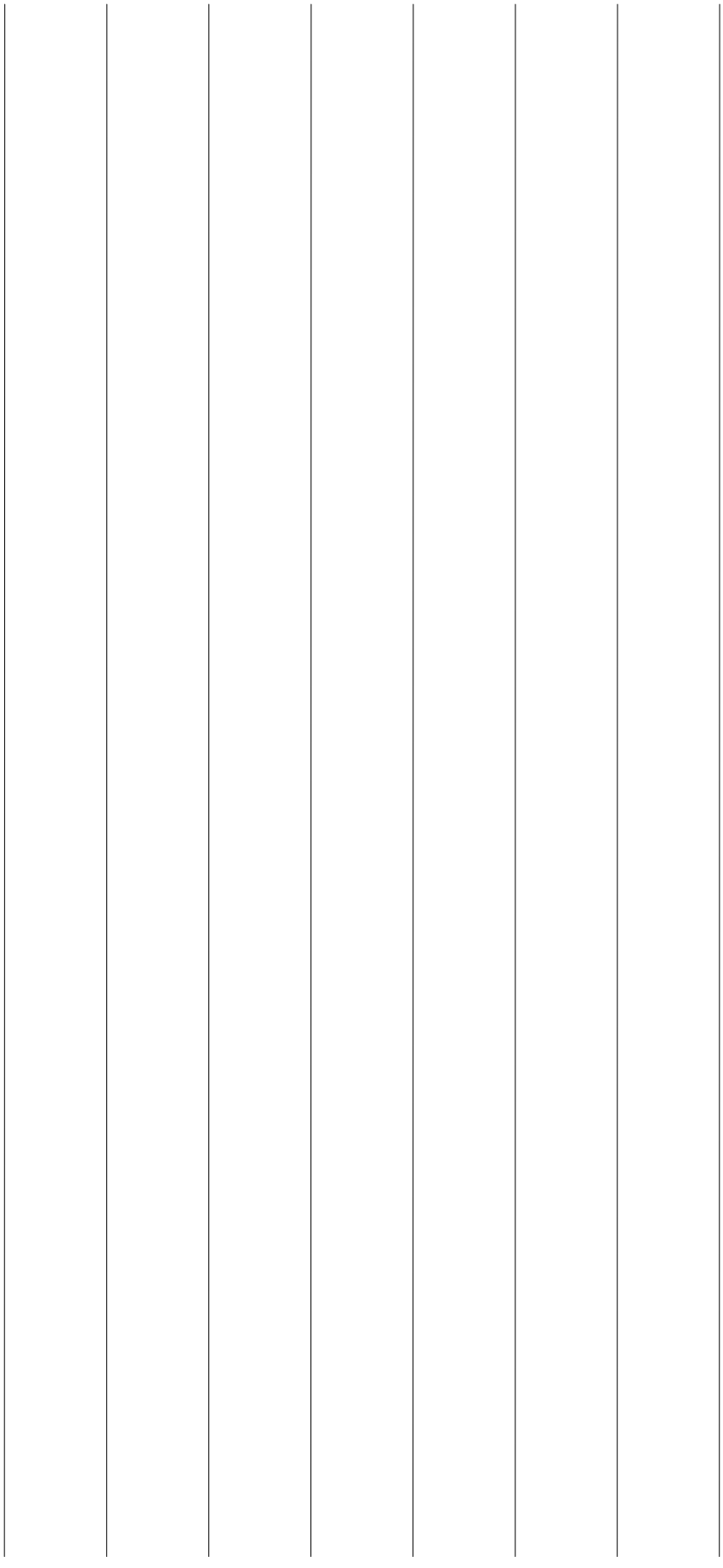
Item	Model name	Content		Life	
Upper heat roller kit	MX-200UH	Upper heat roller	x 1	100K	MX-2010U
Lower heat roller kit	MX-200LH	Lower heat roller	x 1	100K	
Fusing belt kit	MX-230FB	Fusing belt	x 1	100K	MX-2310U
		Fuser belt guide collar	x 2		
Pressure roller kit	MX-230LH	Fusing roller	x 1	200K	
		Pressure roller	x 1		
Fusing belt kit	MX-360FB	Fusing belt	x 1	200K	MX-3111U MX-2610N/3110N
		Fuser belt guide collar	x 2		
Pressure roller kit	MX-230LH	Fusing roller	x 1	200K	
		Pressure roller	x 1		
Fusing belt kit	MX-360FB	Fusing belt	x 1	240K	MX-3610N
		Fuser belt guide collar	x 2		
Pressure roller kit	MX-230LH	Fusing roller	x 1	240K	
		Pressure roller	x 1		
Web cleaning kit	MX-360WB	Web roller	x 1	120K	
		Web guide shaft	x 2		
		Web pressure roller	x 1		
		Web pressure roller bearing	x 2		



KIT DI SERVIZIO (UNIT DI ROTAZIONE)

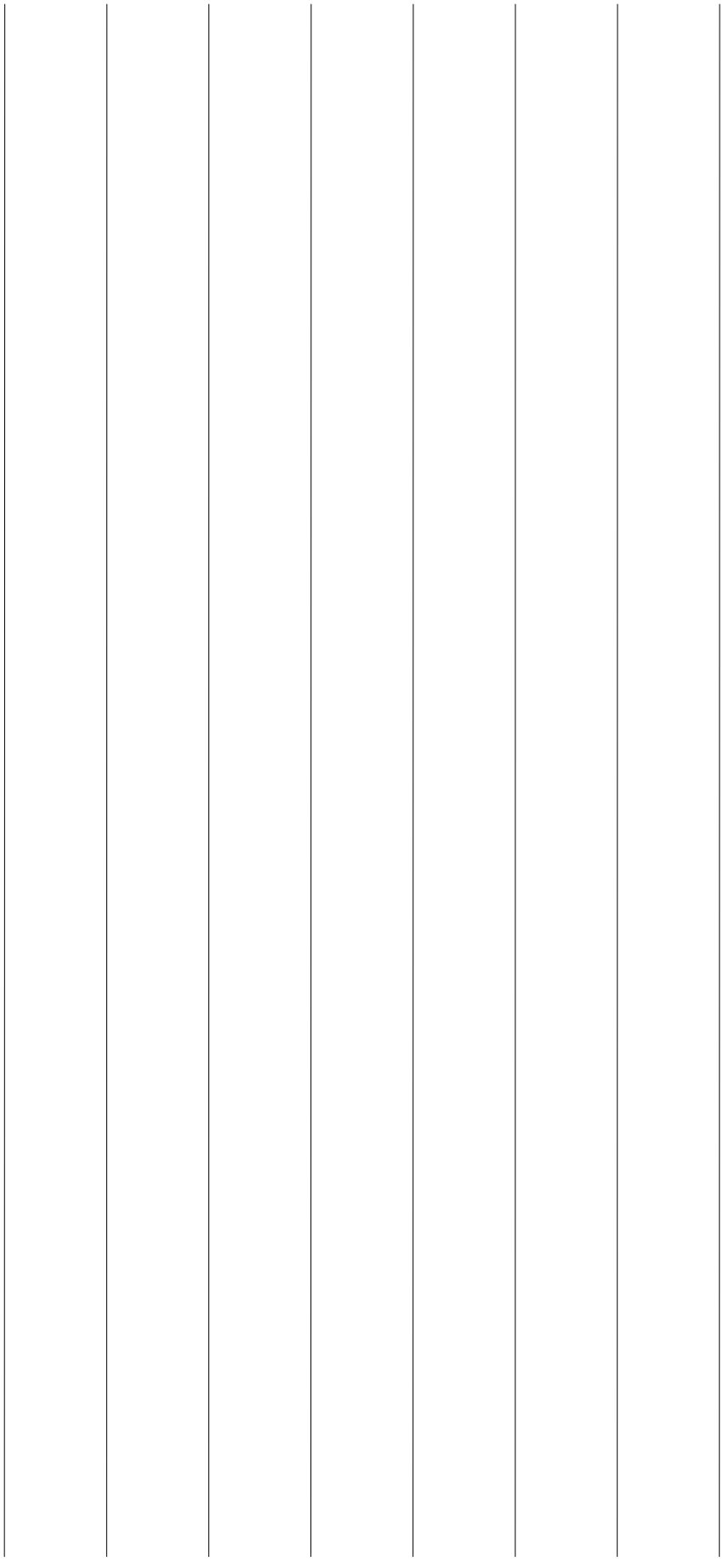
Item	Model name	Content	
Primary transfer belt unit	MX-230U1	Primary transfer belt unit (For servicing rotation) x 1	MX-2010U/2310U/3110U MX-2610N/3110N/3610N
Secondary transfer belt unit	MX-230U2	Secondary transfer belt unit (For servicing rotation) x 1	
Fusing unit	MX-200FU	Fusing unit (For servicing rotation: Heater lamp 230V) x 1	MX-2010U
Fusing unit	MX-230FU	Fusing unit (For servicing rotation: Heater lamp 230V) x 1	MX-2310U
Fusing unit	MX-260FU	Fusing unit (For servicing rotation: Heater lamp 230V) x 1	MX-3111U MX-2610N/3110N
Fusing unit	MX-360FU	Fusing unit (For servicing rotation: Heater lamp 230V) x 1	MX-3610N

Da utilizzare a rotazione per le normali operazioni di manutenzione



SEGNALAZIONE MANUTENZIONE

CODICE DI MANUTENZIONE RICHIESTA	SEZIONE	MX-2010U	MX-2310U	MX-3111U MX-2610N MX-3110N	MX-3610N
TA	MANUT. NERO	100K	100K	100K	120K
CA	MANUT. COLORE	60K	60K	60K	70K
AA	MANUT.COL + BK	----	----	----	----
TK1	TRASFERIM.1	100K	100K	100K	120K
TK2	TRASFERIM.2	300K	300K	300K	360K
FK1	FUSORI BELT SUP.	100K	100K	200K	240K
FK2	FUSORE INF.	100K	200K	200K	240K
FK3	TELO WEB	----	----	----	120K
DK	CILINDRO NERO	100K	100K	100K	120K
DC-DM-DY	CILINDRO COLOR	60K	60K	60K	70K
VK	DEV. NERO	100K	100K	100K	120K
VC-VM-VY	DEV. COLORE	60K	60K	60K	70K



AZZERAMENTI: manutenzione/consumabili

24-4	
Purpose	Data clear
Function (Purpose)	Used to clear the maintenance counter, the printer counters of the transport unit and the fusing unit. (After completion of maintenance, clear the counters.)

24-5	
Purpose	Data clear
Function (Purpose)	Used to clear the developer counter. (After replacement of developer, clear the counter.)

MAINTENANCE ALL	TC1 BELT	MAIN CHARGER K
MAINTENANCE COL	TRANS BLADE	MAIN CHARGER C
FUSING BELT (23cpm/26cpm/ 31cpm machine only)	TC2 BELT	MAIN CHARGER M
HEAT ROLLER (20cpm model)	PTC	MAIN CHARGER Y
FUSING ROLLER	DRUM CTRG K	DRUM BLADE K
PRESS ROLLER	DRUM CTRG C	DRUM BLADE C
SEPARATE PAWL	DRUM CTRG M	DRUM BLADE M
SEPARATE PLATE	DRUM CTRG Y	DRUM BLADE Y
CLEAN ROLLER		PS PAPER
		OZONE FILTER

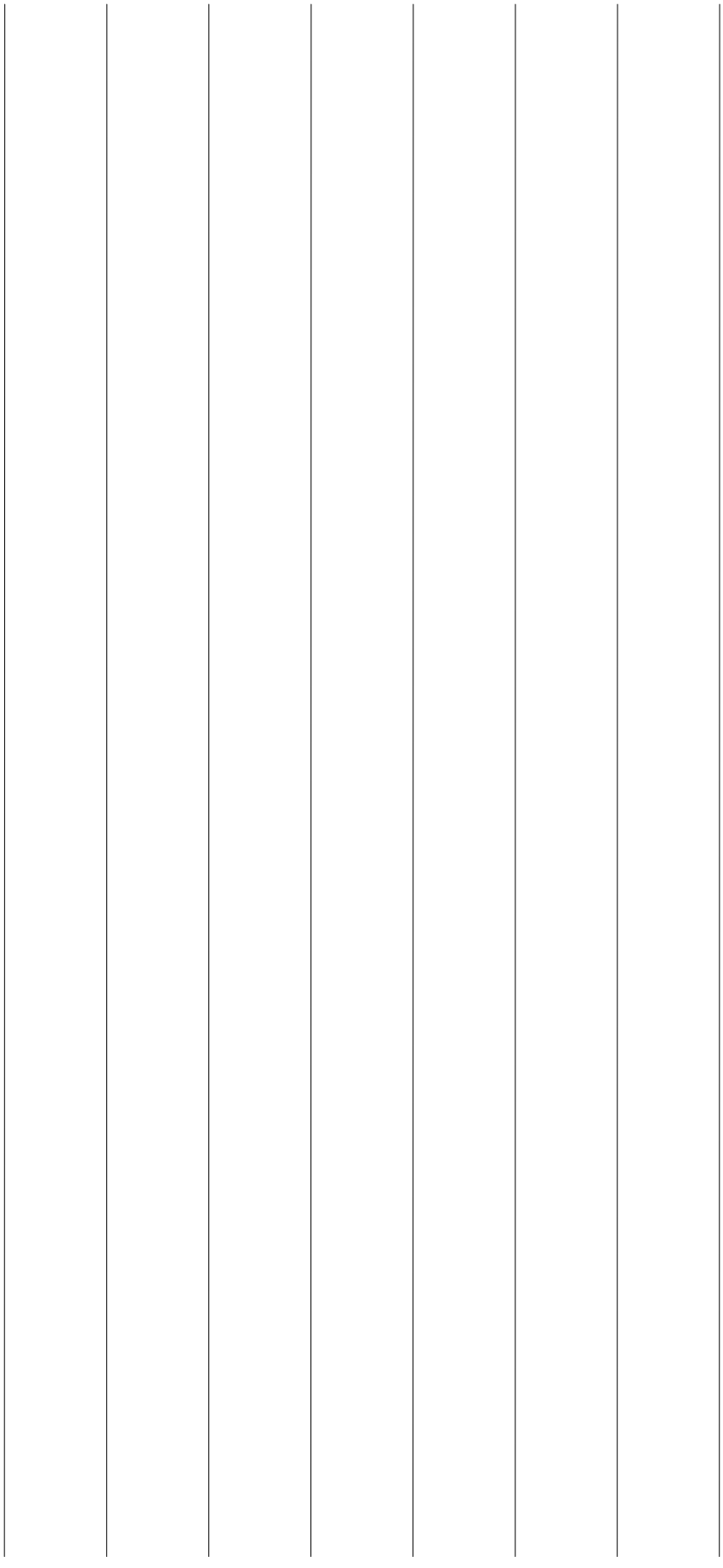
22-06

(SIM22-13)

	COUNTER	TURN	DAY	LIFE	REMAIN
MAINTENANCE ALL:	45134	--------	185	45%	----
MAINTENANCE COL:	37259	--------	397	62%	0303
FUSING BELT:	45134	292701	185	45%	----
FUSING ROLLER:	45134	292701	185	22%	----
PRESSURE ROLLER:	45134	292701	185	22%	----
SEPARATE PAWL:	45134	292701	185	22%	----
SEPARATE PLATE:	45134	292701	185	22%	----
CLEANING ROLLER:	45134	292701	185	45%	----
TC1 BELT:	45134	35429	185	45%	----
TRANSFER BLADE:	45134	35429	185	45%	----
PTC:	45134	35429	185	45%	----
TC2 BELT:	45134	35429	185	15%	----
PS PAPER:	45134	--------	185	45%	----
DEVE CTRG K:	45134	282311	185	45%	----
DEVE CTRG C:	15906	92853	185	26%	----
DEVE CTRG M:	15906	92853	185	26%	----
DEVE CTRG Y:	15906	92853	185	26%	----

	COUNTER	TURN	DAY	LIFE	REMAIN
DRUM CTRG K:	45134	282311	185	45%	----
DRUM CTRG C:	15906	92853	185	26%	----
DRUM CTRG M:	15906	92853	185	26%	----
DRUM CTRG Y:	15906	92853	185	26%	----
MAIN CHARGER K:	45134	282311	185	45%	----
MAIN CHARGER C:	15906	92853	185	26%	----
MAIN CHARGER M:	15906	92853	185	26%	----
MAIN CHARGER Y:	15906	92853	185	26%	----
DRUM BLADE K:	45134	282311	185	45%	----
DRUM BLADE C:	15906	92853	185	26%	----
DRUM BLADE M:	15906	92853	185	26%	----
DRUM BLADE Y:	15906	92853	185	26%	----
OZONE FILTER:	45134	--------	185	45%	----
TONER CTRG K:	8688	12454	101	67%	----
TONER CTRG C:	194	455	20	4%	----
TONER CTRG M:	37258	10230	397	91%	----
TONER CTRG Y:	10057	6734	158	88%	----

- **La stampa della Sim. 22-06 permette il controllo dei contatori**



CONTATORI : azzeramenti

• Non ci sono più i codici segreti quindi non sarà più possibile eseguire tutte quelle operazioni fatte fino ad oggi su altri modelli.

• E' stata aggiunta una funzione di inizializzazione generale, tutti i parametri memorizzati vengono cancellati ad esclusione dei contatori. L'inizializzazione si esegue dalla modalità amministratore.

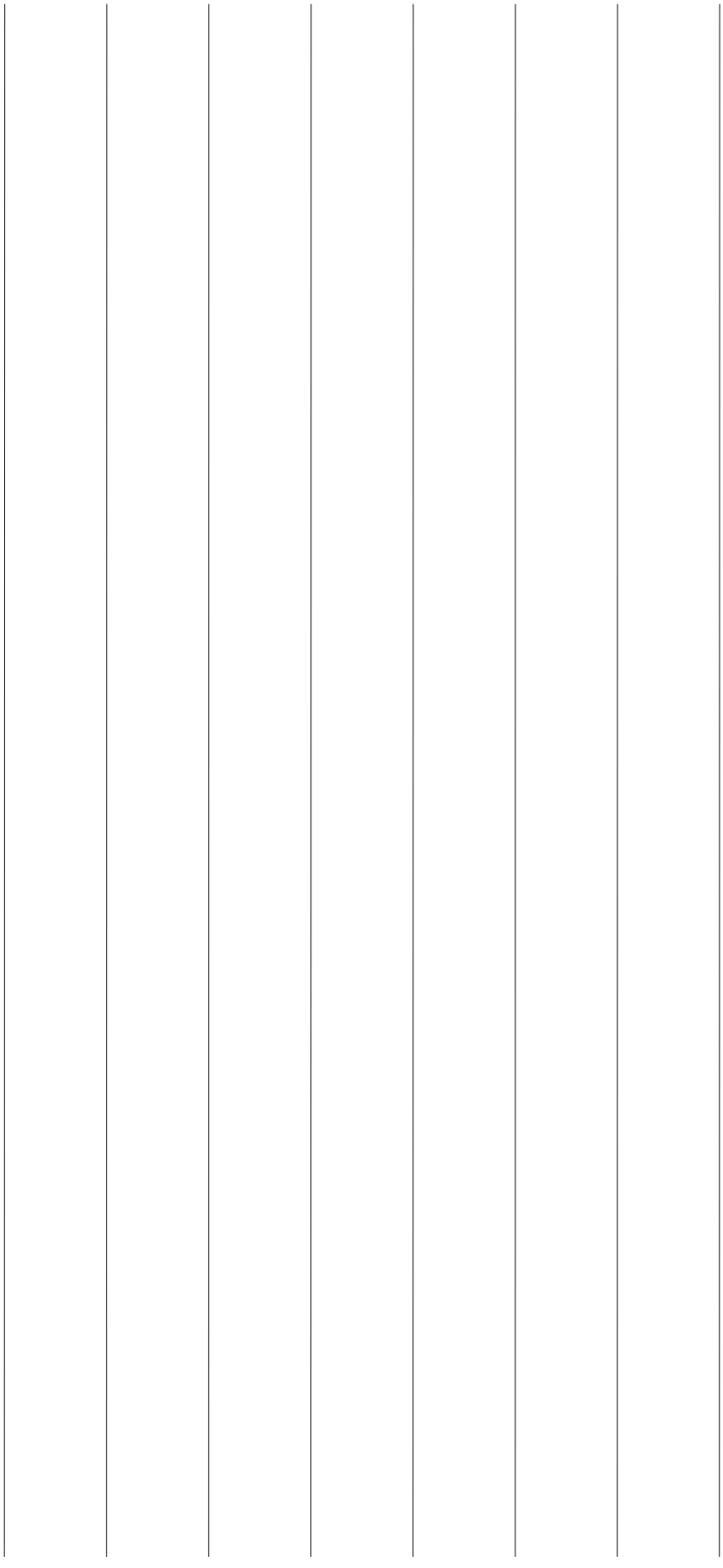
•I contatori ad esclusione di quelli totali si possono azzerare dalla simulazione 24.

•Si consiglia, in particolar modo quando si eseguono operazioni sui dati salvare tutte le informazioni macchina quali:

- •Da pagina web eseguire la clonazione dispositivo
- •Da pagina web salvare la rubrica
- • In alternativa alla pagina web si può utilizzare la simulazione 56-2
- •NB: LA PROCEDURA DI INIZIALIZZAZIONE DURA CIRCA 1 ORA

Completare la procedura di azzeramento utilizzando le sim. Sotto elencate:

- 24-06 (copy counter)
- 24-09 (print counter)
- 24-10 (fax counter)
- 24-15 (scan counter)
- 24-35 (toner cartridge counter)



AZZERAMENTI : contatori

24-6	
Purpose	Data clear
Function (Purpose)	Used to clear the copy counter.

COPY BW	Copy counter (B/W)
COPY COL	Copy counter (COLOR)
SINGLE COLOR	Single color
2COLOR	2-color

24-9	
Purpose	Data clear
Function (Purpose)	Used clear the printer mode print counter and the self print mode print counter.

PRINT BW	Print counter (B/W)
PRINT COL	Print counter (COLOR)
PRINT (2COL)	Print counter (2-colors)
PRINT (3COL)	Print counter (3-colors)
PRINT (SGL_COL)	Print counter (Single color)
OTHER BW	Other counter (B/W)
OTHER COL	Other counter (COLOR)

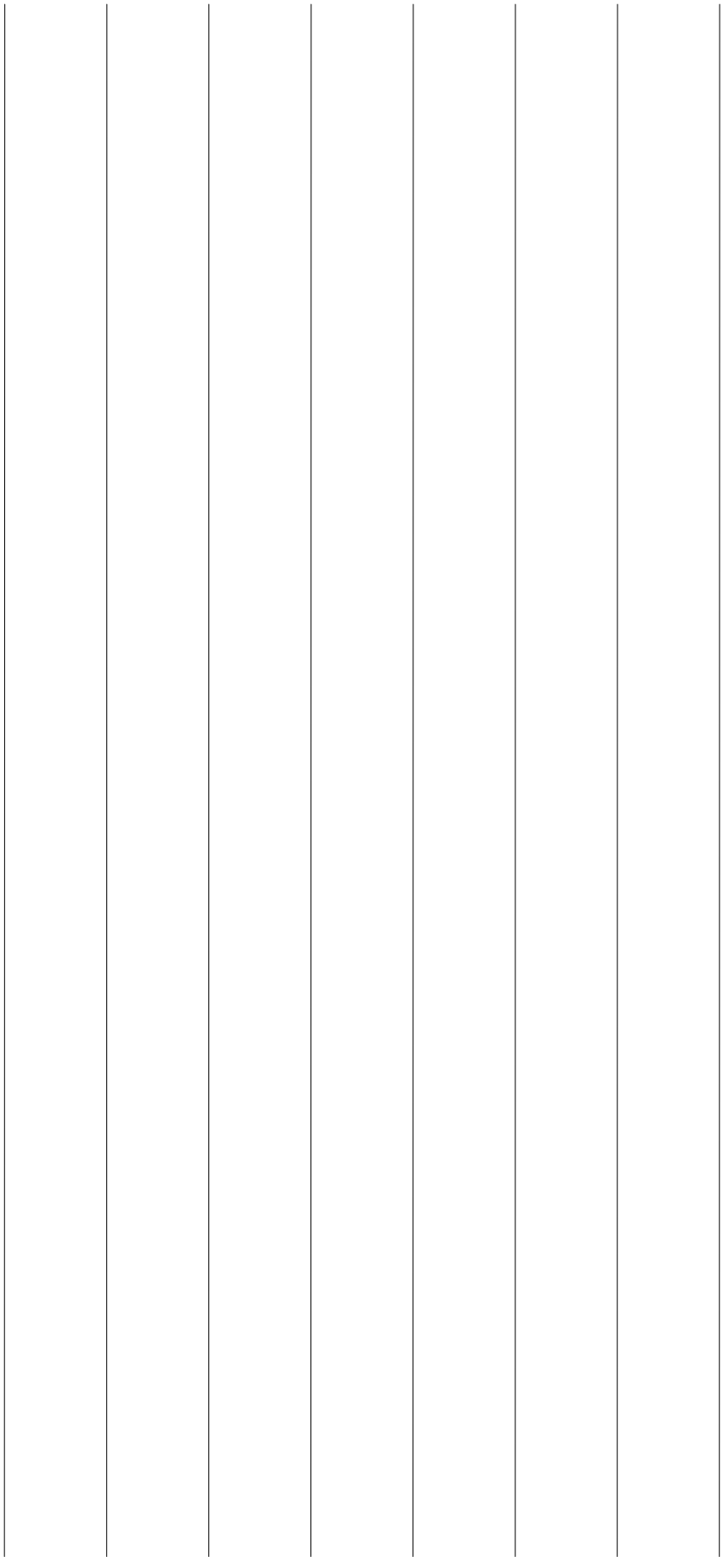
24-10	
Purpose	Data clear
Function (Purpose)	Used to clear the FAX counter. (Only when FAX is installed)

FAX OUTPUT	FAX Print quantity counter
FAX SEND	FAX send counter
FAX RECEIVED	FAX receive counter
SEND IMAGES	FAX send quantity counter
SEND TIME	FAX send time
RECEIVED TIME	FAX receive time

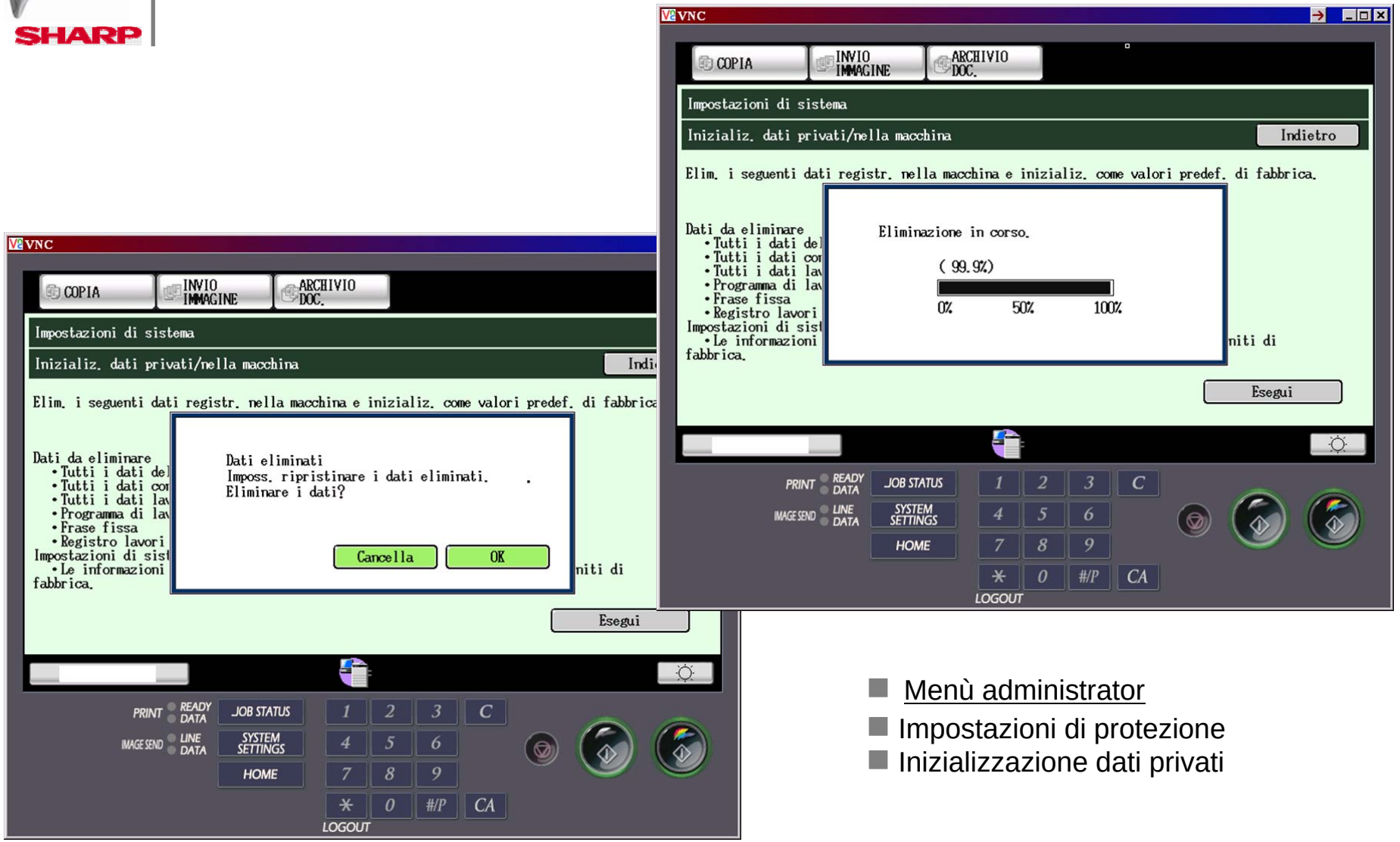
24-15	
Purpose	Data clear
Function (Purpose)	Used to clear the counters related to the scan mode and the image send.

Division	Item/Display	Content
Network scanner	NET SCN ORG_B/W	Network scanner document read quantity counter (B/W scan job)
	NET SCN ORG_CL	Network scanner document read quantity counter (COLOR scan job)
	NET SCN ORG_2CL	Network scanner document read quantity counter (2-color scan job)
	NET SCN ORG_SGL	Network scanner document read quantity counter (single color scan job)
E-mail	MAIL COUNTER	Number of times of E-MAIL send
FTP	FTP COUNTER	Number of FTP send
Other	SMB SEND	Number of SMB send
	USB CNT	Number of times of USB storage
	TRIAL MODE_B&C	Trial mode counter (B/W & COLOR scan job)
	SCAN TO HDD_B/W	SCAN TO HDD record quantity (B/W)
	SCAN TO HDD_CL	SCAN TO HDD record quantity (COLOR)
	SCAN TO HDD_2CL	SCAN TO HDD record quantity (2-COLOR)
	SCAN TO HDD_SGL	SCAN TO HDD record quantity (SINGLE color)

24-35	
Purpose	Data clear
Function (Purpose)	Used to clear the toner cartridge use status data.



CONTATORI : inizializzazione (Gemini)



- Menù administrator
- Impostazioni di protezione
- Inizializzazione dati privati

GEMINI SERIES - MX 2010U/2310U/3111U ARIES SERIES - MX-2610N / 3110N / 3610N

CONTATORI : inizializzazione (Aries)

- Menù administrator
- Impostazioni di sicurezza
- Inizializzazione dati privati

CONTATORI : azzeramenti

IMPOSTAZIONI DI SISTEMA

Memorizzazione/Richiamo delle impostazioni di sistema

Consente di memorizzare le impostazioni di sistema attuali, recuperare le impostazioni di sistema precedentemente memorizzate e ripristinare le impostazioni di sistema predefinite in fabbrica. Sfiorare il tasto [Memorizzazione/Richiamo delle impostazioni di sistema] per configurare le impostazioni.

Ripristina Valori Default

Questa funzione è utilizzata per ripristinare i valori predefiniti in fabbrica delle impostazioni di sistema. Se si desidera creare un registro delle impostazioni attuali prima di ripristinare le impostazioni predefinite in fabbrica, stampare le impostazioni attuali mediante l'opzione "Stampa elenco (amministratore)" (pagina 7-91) disponibile nelle impostazioni di sistema (amministratore).

7-98

22-18

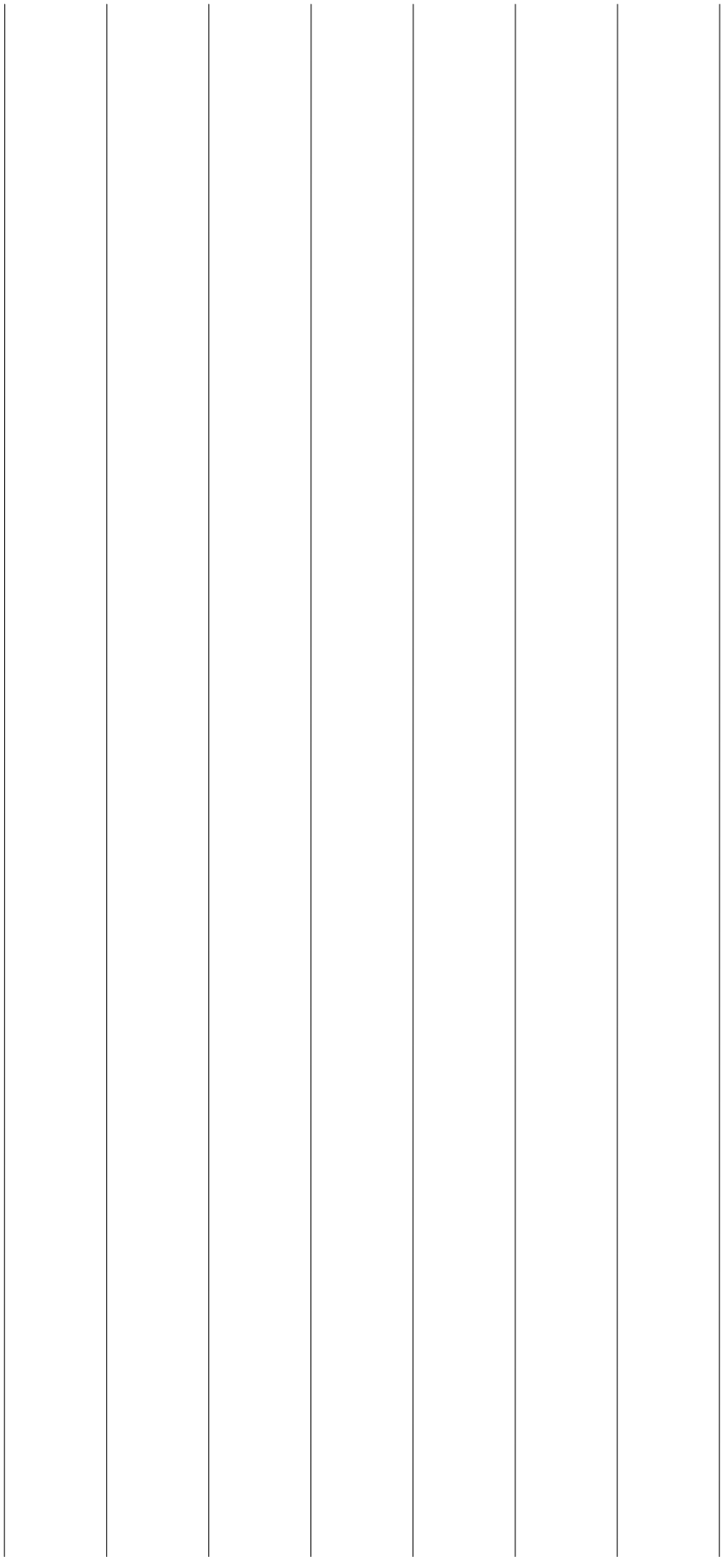
Purpose	Adjustment/Setting/Operation data check
Function (Purpose)	Used to display the user data delete history.
Section	

Operation/Procedure

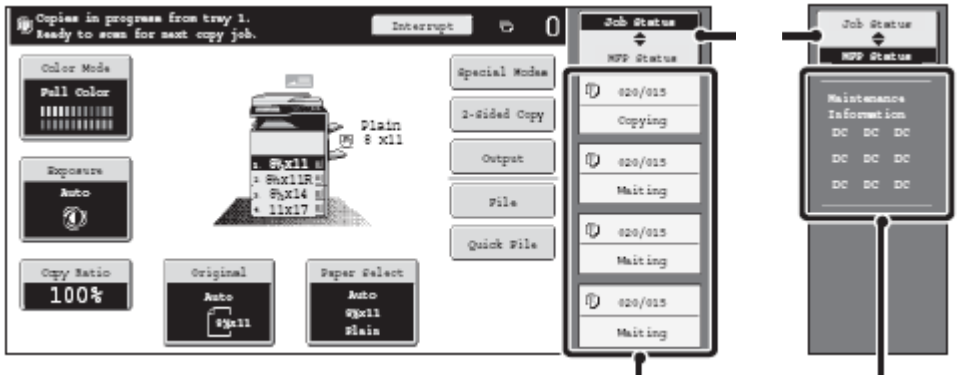
The date and time of the user data delete are displayed.

Display item		Content
Item name	**Date**	
START	Year/month/day/hour/min.	Delete history (Date and time of operation start)
END	Year/month/day/hour/min.	Delete history (Date and time of operation end)

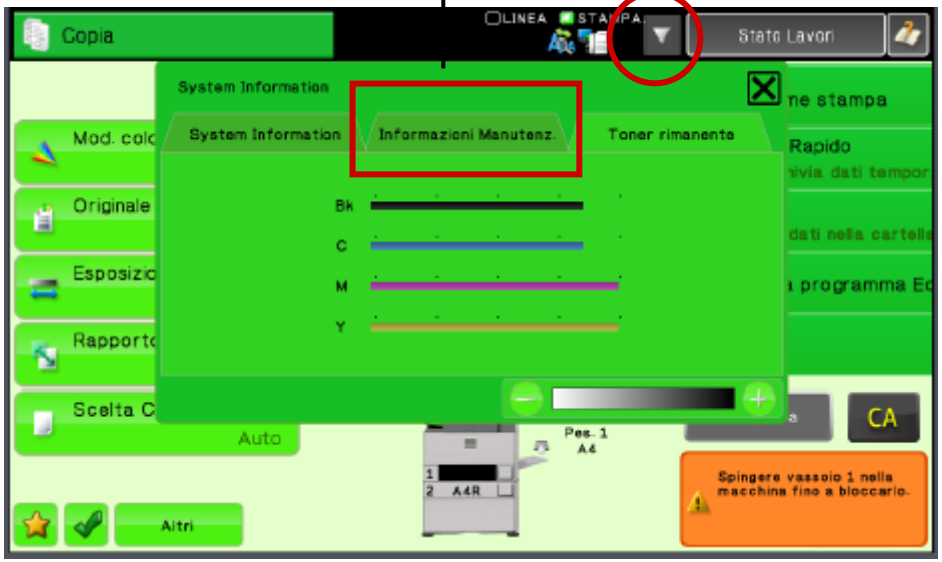
La sim 22-18 e sulla stampa della 22-6 (pag.2/5) è indicato quando è stato effettuato l'azzeramento.



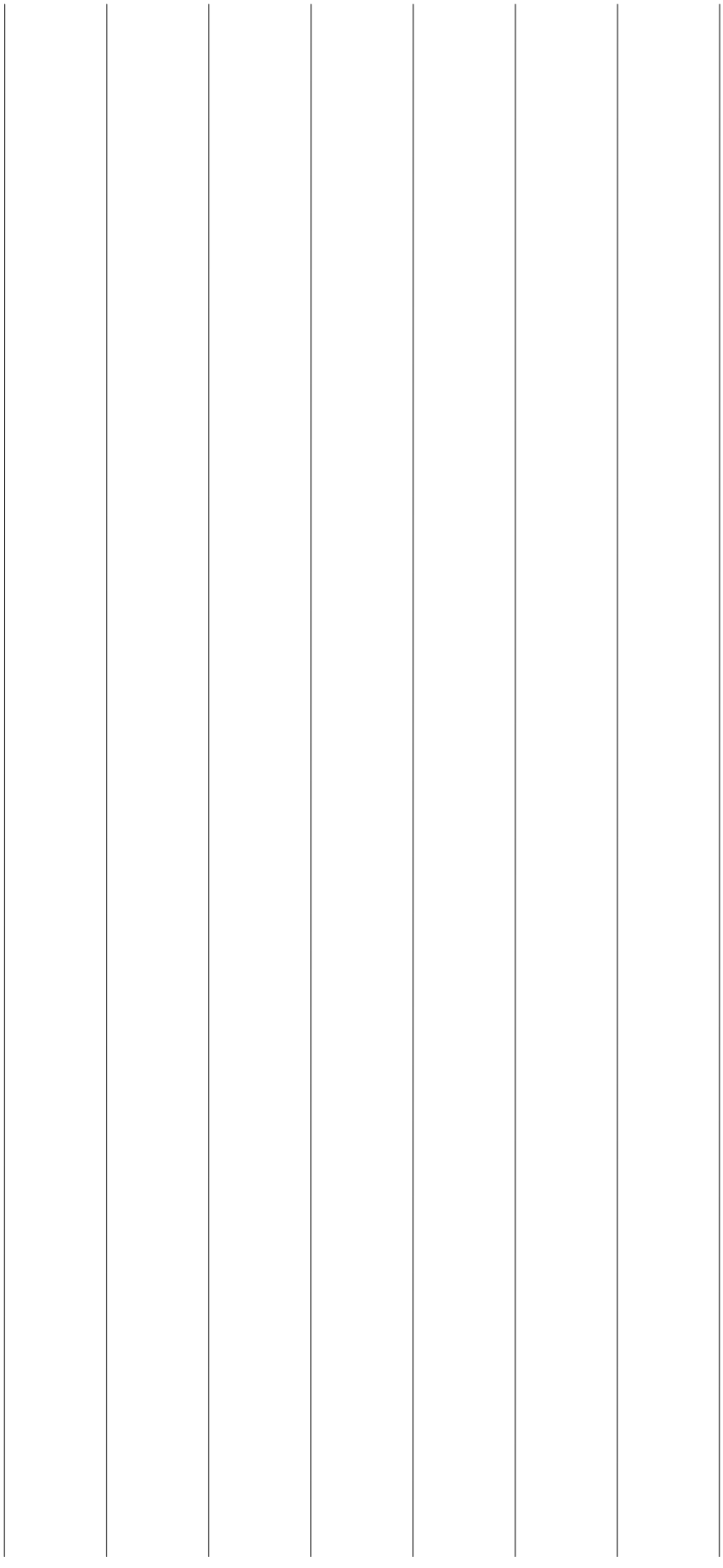
SEGNALAZIONE MANUTENZIONE



MX-2010U/2310U/3111U



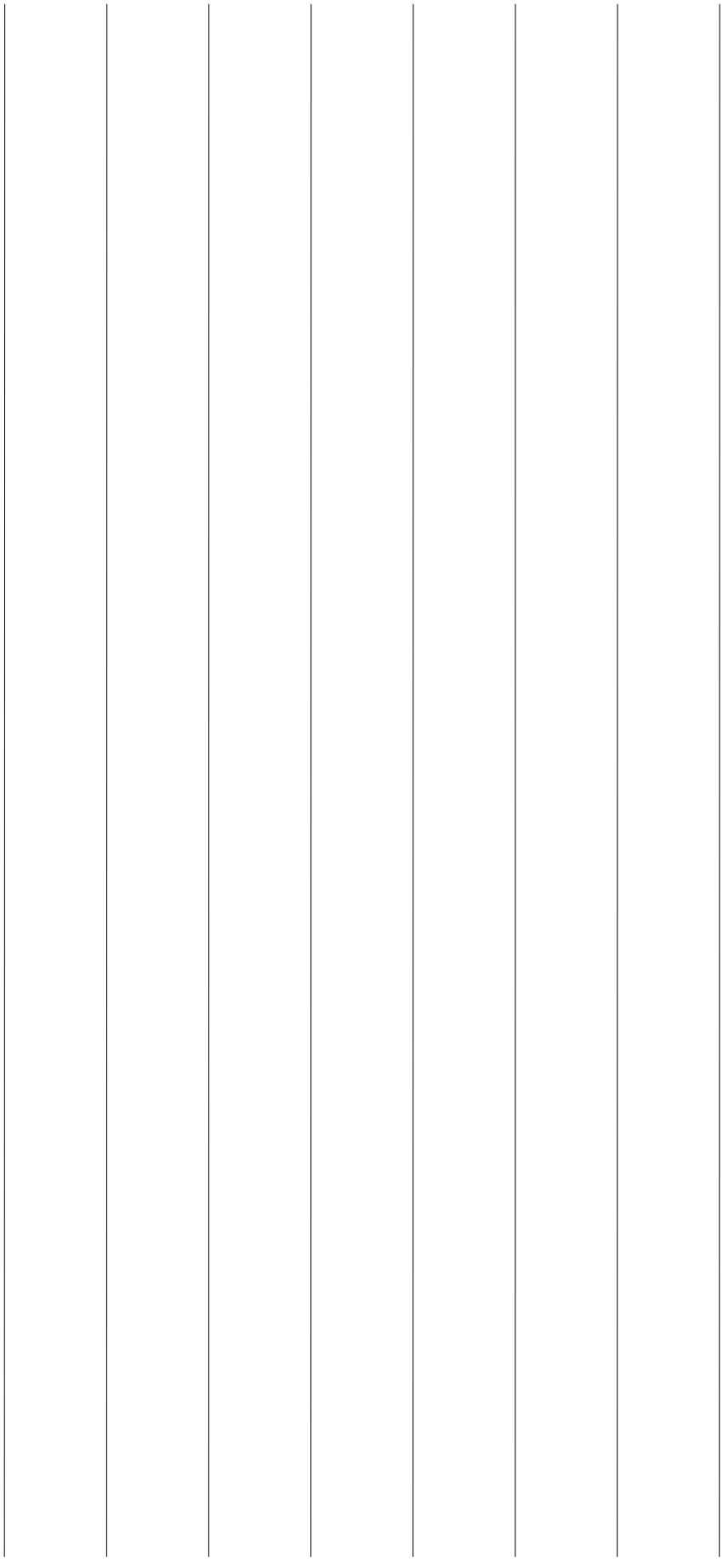
MX-2610N / 3110N / 3610N



SEGNALAZIONE MANUTENZIONE

- **E-mail di stato:**
  - Conteggio copie monocromatiche /B/N/ colori
  - Conteggio stampa B/N/ colori
  - Conteggio scansioni
  - Conteggio cartucce toner utilizzate
  - Percentuale di toner residuo nelle cartucce
  - Controllo se le cartucce vengono sostituite prima del loro completo esaurimento
  - Files allegati alla mail leggibili con READ READER

- **E-mail di avviso (voci selezionabili separatamente –solo per mod. Aries):**
  - Inceppamento
  - Toner quasi esaurito
  - Toner esaurito
  - Carta esaurita
  - Richiesta di servizio (codici errore)
  - Richiesta PM (manutenzione)
  - Toner di scarto quasi pieno
  - Toner di scarto pieno
  - Registro lavori pieno (job log)



E MAIL messaggio di stato

Nome dispositivo:
Modello dispositivo: MX-2600N

Numero Di Serie: 8800522000
Codice macchina:

Informazioni sul contatore del dispositivo attuale:

Conteggio copie in bianco e nero = 4
Conteggio copie a due colori = 0
Conteggio copie monocromatiche = 0
Conteggio copie a colori = 4

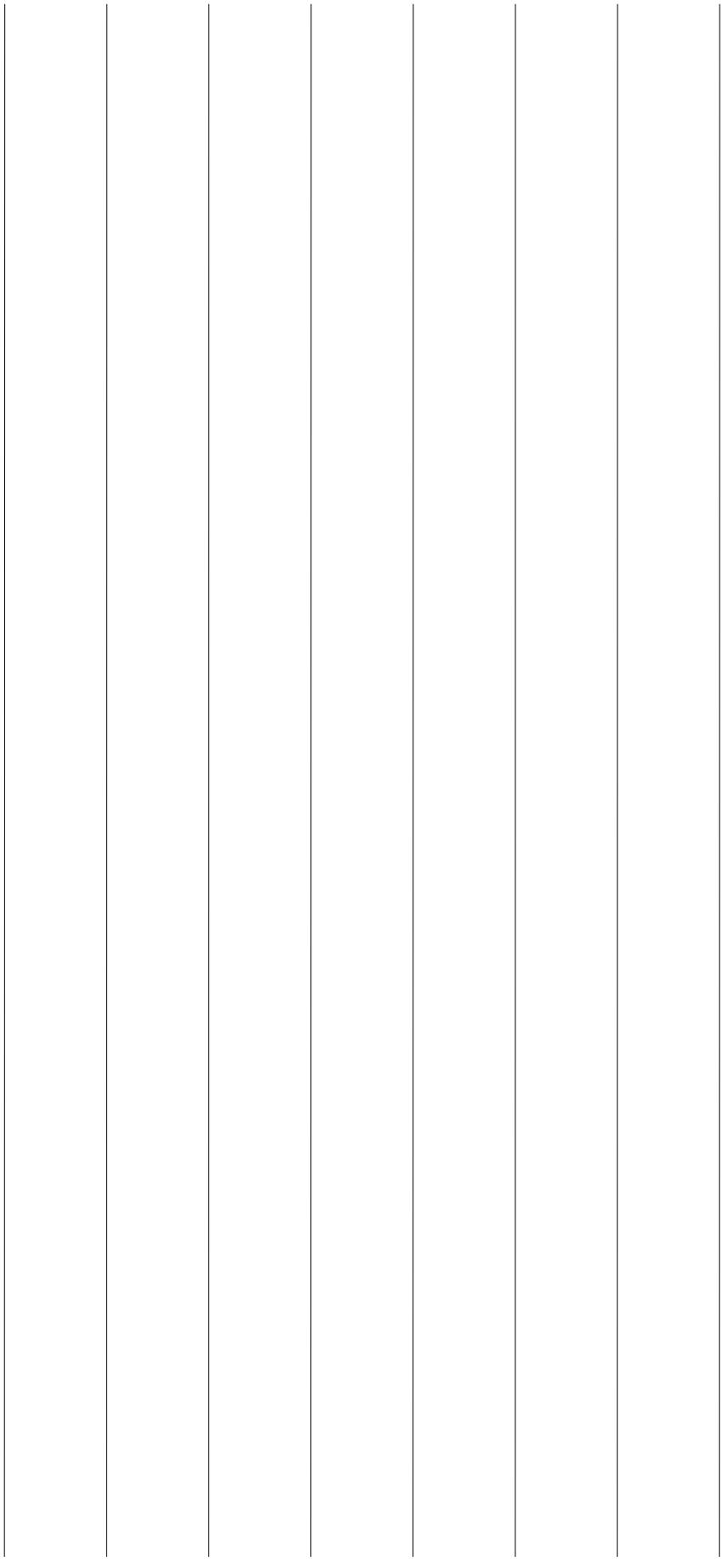
Conteggio stampe in bianco e nero = 4
Conteggio stampe a colori = 4

Conteggio totale stampe in bianco e nero = 8 Conteggio totale stampe a due colori = 0 Conteggio totale stampe monocromatiche = 0 Conteggio totale stampe a colori = 8

Conteggio Scanner in bianco e nero = 4
Conteggio Scanner a due colori = 0
Conteggio Scanner monocromatico = 0
Conteggio Scanner a colori = 4

Numero toner inserito (Bk) = 1
Numero toner inserito (C) = 1
Numero toner inserito (M) = 1
Numero toner inserito (Y) = 0

- Lettura contatori:
  - In blu il testo del messaggio della mail di stato
  - In rosso i contatori di copie e stampe da fatturare



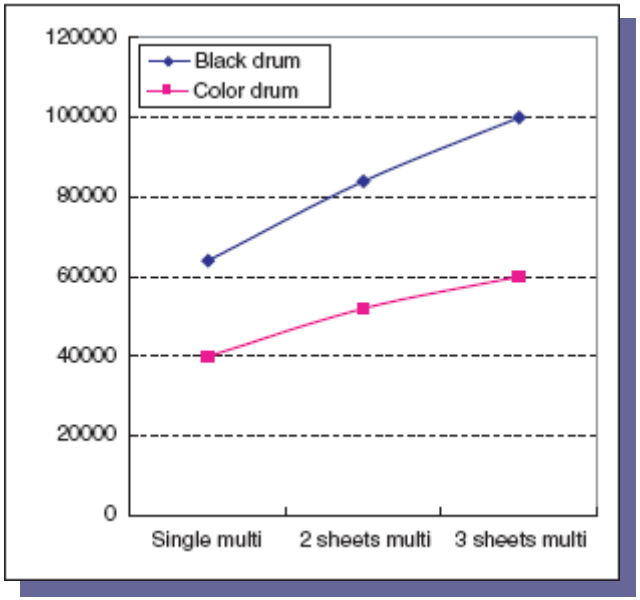
DURATA CONSUMABILI: DRUM + DEVELOPER

	Developer/drum counter		Developer/drum rpm	
	B/W	Full color	B/W	Full color
Developer/ drum	100K	60K	840K rotations	840K rotations

Sim.55-03

SW 9 – Bit 8=1 (manutenzione solo in base al numero copie)

Bit 8=0 (manutenzione in base numero copie e rotazioni)



- Richiesta manutenzione:
  - Compare se il tetto delle rotazioni è stato raggiunto prima delle 100K/60K copie.

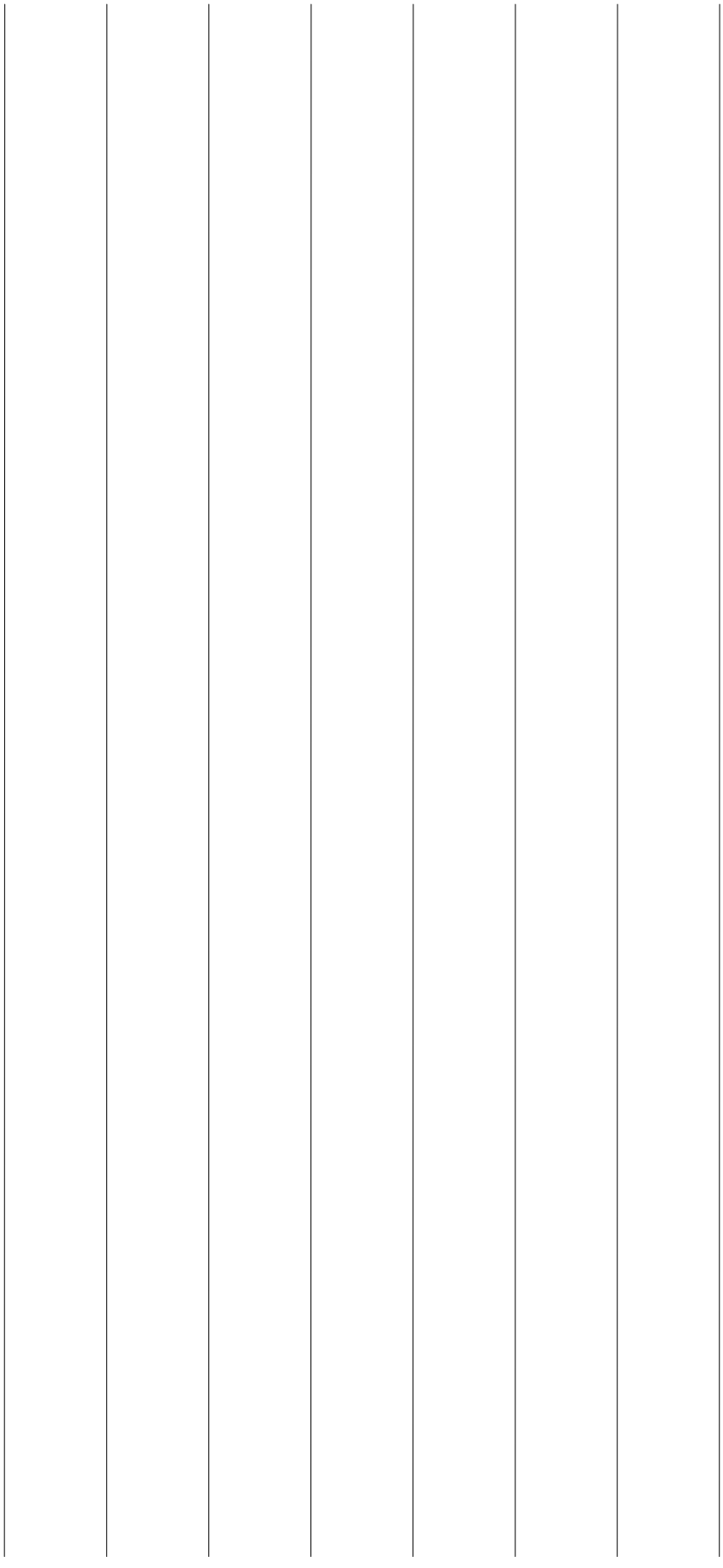
- IL CILINDRO RUOTA:
  - In esecuzione di stampe/copie
  - Durante la fase di preriscaldamento
  - In fase di autoregolazione
  - Per tutte le SIM. che lo prevedono

23/26 cpm

Kind of multi	Black drum	Color drum
Single multi	64000	40000
2 sheets multi	84000	52000
3 sheets multi	100000	60000

31 cpm

Kind of multi	Black drum	Color drum
Single multi	64000	40000
2 sheets multi	85000	53000
3 sheets multi	95000	58000
4 sheets multi	100000	60000



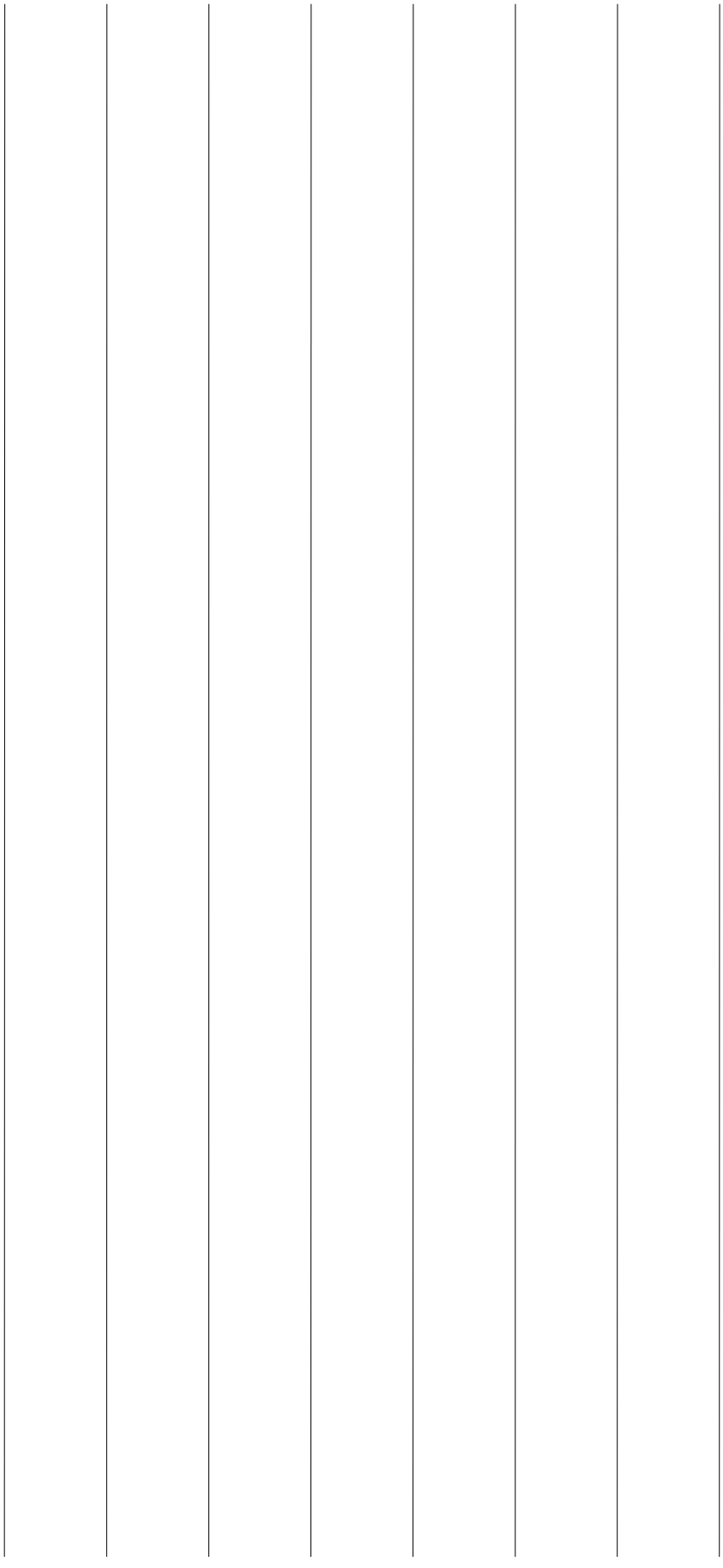
DURATA CONSUMABILI:(LIFE METER)

22-13	
Purpose	Adjustment/Setting/Operation data check
Function (Purpose)	Used to check the operating time of the process section (OPC drum, DV unit, toner cartridge) and the fusing unit

Item/Display	Content	Print counter	RPM	Number of use days	Life meter	Number of remaining days
MAINTENANCE AU	Maintenance counter (Total) (Counter)	Max. 8	Not displayed	0 - 999	0 - 100 (%)	0 - 365
	intenance counter (Color)	Max. 8	Not displayed	0 - 999	0 - 100 (%)	0 - 365
	sing belt	Max. 8	Max. 8	0 - 999	0 - 100 (%)	0 - 365
	sing roller	Max. 8	Max. 8	0 - 999	0 - 100 (%)	0 - 365
	sing pressure roller	Max. 8	Max. 8	0 - 999	0 - 100 (%)	0 - 365
	sing separation pawl	Max. 8	Max. 8	0 - 999	0 - 100 (%)	0 - 365
	sing separation plate	Max. 8	Max. 8	0 - 999	0 - 100 (%)	0 - 365
	sing cleaning roller	Max. 8	Max. 8	0 - 999	0 - 100 (%)	0 - 365
	mary transfer belt	Max. 8	Max. 8	0 - 999	0 - 100 (%)	0 - 365
TRANSFER BLADE	Transfer cleaning blade	Max. 8	Max. 8	0 - 999	0 - 100 (%)	0 - 365
PTC	PTC	Max. 8	Max. 8	0 - 999	0 - 100 (%)	0 - 365
TC2 BELT	Secondary transfer belt	Max. 8	Max. 8	0 - 999	0 - 100 (%)	0 - 365
PS PAPER	Paper dust cleaner	Max. 8	Not displayed	0 - 999	0 - 100 (%)	0 - 365
OZONE FILTER	Ozone filter	Max. 8	Not displayed	0 - 999	0 - 100 (%)	0 - 365
DEVE CTRG (K)	DV unit (K)	Max. 8	Max. 8	0 - 999	0 - 100 (%)	0 - 365
DEVE CTRG (C)	DV unit (C)	Max. 8	Max. 8	0 - 999	0 - 100 (%)	0 - 365
DEVE CTRG (M)	DV unit (M)	Max. 8	Max. 8	0 - 999	0 - 100 (%)	0 - 365
DEVE CTRG (Y)	DV unit (Y)	Max. 8	Max. 8	0 - 999	0 - 100 (%)	0 - 365
DRUM CTRG (K)	OPC drum unit (K)	Max. 8	Max. 8	0 - 999	0 - 100 (%)	0 - 365
DRUM CTRG (C)	OPC drum unit (C)	Max. 8	Max. 8	0 - 999	0 - 100 (%)	0 - 365
DRUM CTRG (M)	OPC drum unit (M)	Max. 8	Max. 8	0 - 999	0 - 100 (%)	0 - 365
DRUM CTRG (Y)	OPC drum unit (Y)	Max. 8	Max. 8	0 - 999	0 - 100 (%)	0 - 365
MAIN CHARGER (K)	Main charger (K)	Max. 8	Max. 8	0 - 999	0 - 100 (%)	0 - 365
MAIN CHARGER (C)	Main charger (C)	Max. 8	Max. 8	0 - 999	0 - 100 (%)	0 - 365
MAIN CHARGER (M)	Main charger (M)	Max. 8	Max. 8	0 - 999	0 - 100 (%)	0 - 365
MAIN CHARGER (Y)	Main charger (Y)	Max. 8	Max. 8	0 - 999	0 - 100 (%)	0 - 365
DRUM BLADE (K)	OPC drum cleaning blade K	Max. 8	Max. 8	0 - 999	0 - 100 (%)	0 - 365
DRUM BLADE (C)	OPC drum cleaning blade C	Max. 8	Max. 8	0 - 999	0 - 100 (%)	0 - 365
DRUM BLADE (M)	OPC drum cleaning blade M	Max. 8	Max. 8	0 - 999	0 - 100 (%)	0 - 365
DRUM BLADE (Y)	OPC drum cleaning blade Y	Max. 8	Max. 8	0 - 999	0 - 100 (%)	0 - 365
TONER CTRG (K)	Toner cartridge (K)	Max. 8	Max. 8	0 - 999	0 - 100 (%)	Not displayed
TONER CTRG (C)	Toner cartridge (C)	Max. 8	Max. 8	0 - 999	0 - 100 (%)	Not displayed
TONER CTRG (M)	Toner cartridge (M)	Max. 8	Max. 8	0 - 999	0 - 100 (%)	Not displayed
TONER CTRG (Y)	Toner cartridge (Y)	Max. 8	Max. 8	0 - 999	0 - 100 (%)	Not displayed

- SIM. 22-13 (LIFE METER) :
  - Valore espresso in %

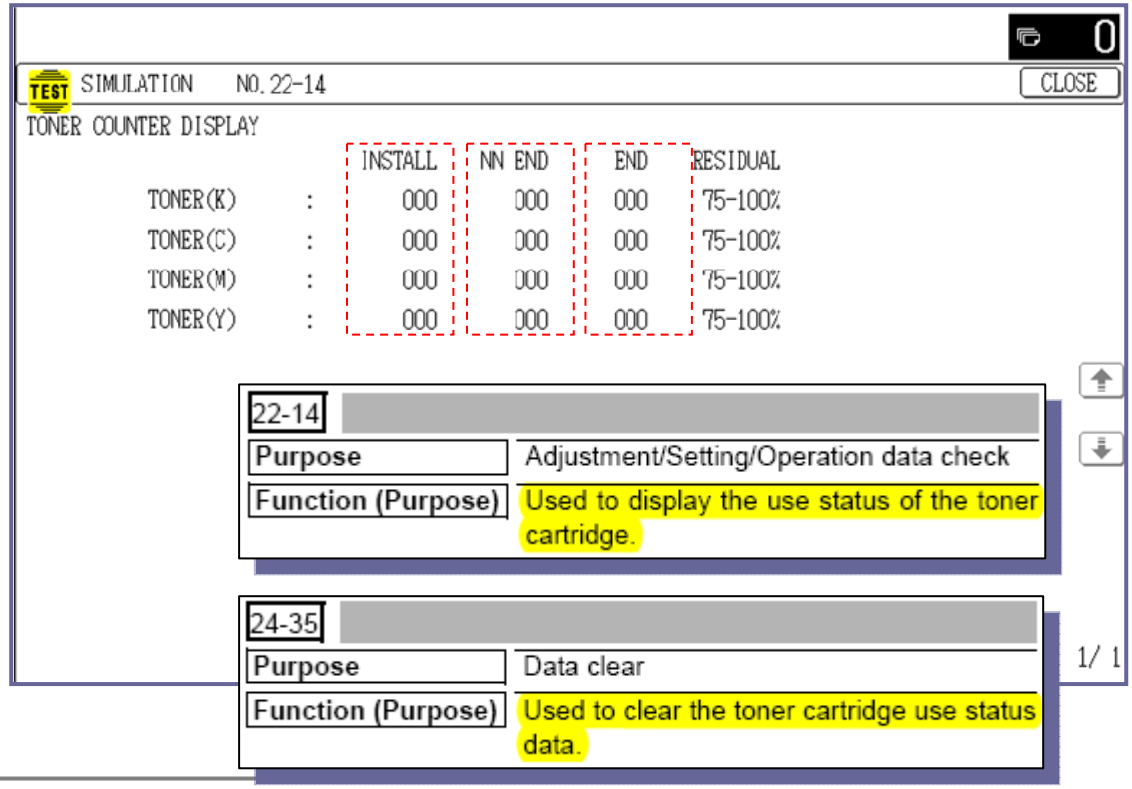
- SIM. 22-13 (NUMBER OF REMAINING DAYS) :
  - Calcolo automatico della MFP (basato sul lavoro degli ultimi 30g.g.) indicante i giorni di autonomia del consumabile

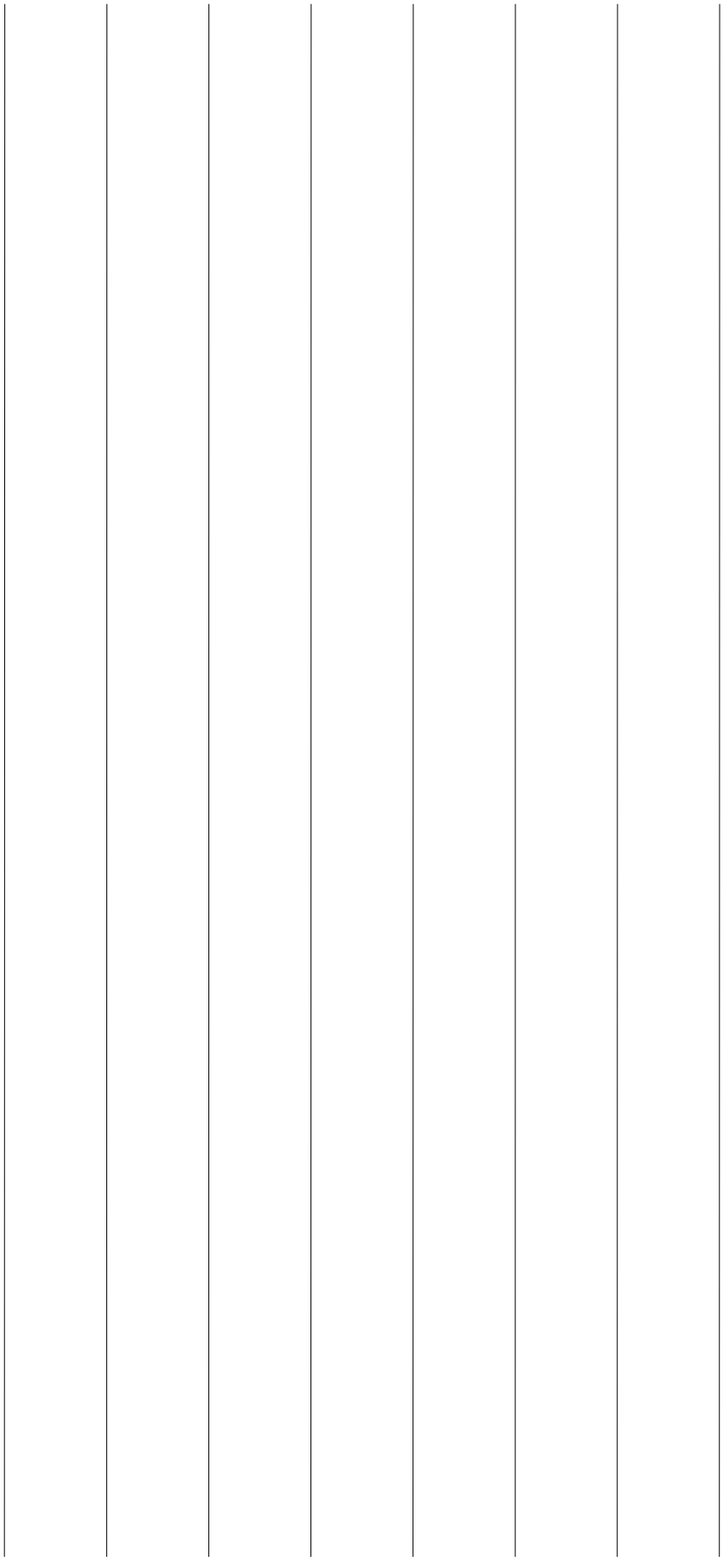


DURATA CONSUMABILI : TONER

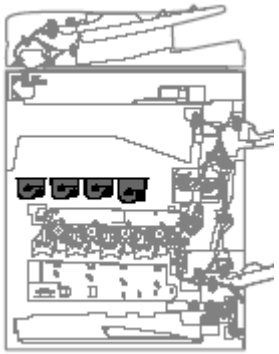
Display item	Content	Accumulated No. of installed cartridges (Unit)	Accumulated No. of near near end (Unit)	Accumulated No. of end (Unit)	Remaining quantity (Unit: %)
		INSTALL	NN END	END	RESIDUAL
TONER (K)	Toner cartridge use counter (K)	0 - 255	0 - 255	0 - 255	0-25%
TONER (C)	Toner cartridge use counter (C)				25-50%
TONER (M)	Toner cartridge use counter (M)				50-75%
TONER (Y)	Toner cartridge use counter (Y)				75-100%

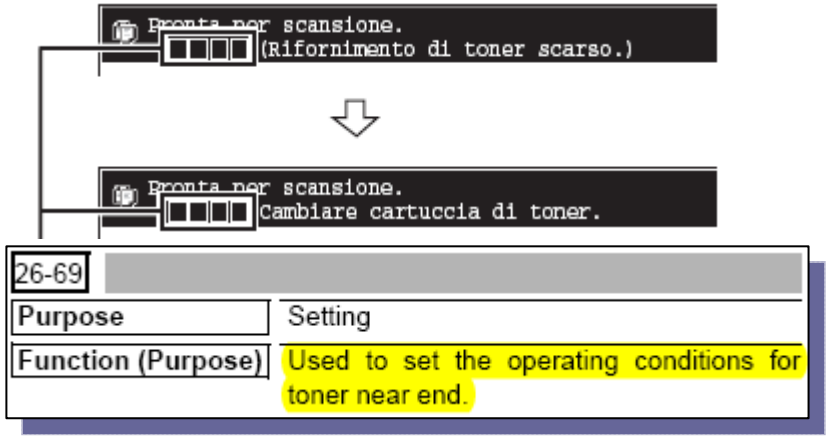
- SIM. 22-14 (Accumulated N° installed cartridges) :
  - Totale cartucce installate
- SIM. 22-14 (Accumulated N° of near near end unit) :
  - Totale cartucce sostituite prima del totale esaurimento toner
- SIM. 22-14 (Accumulated N° of end unit) :
  - Totale cartucce utilizzate fino al totale esaurimento toner





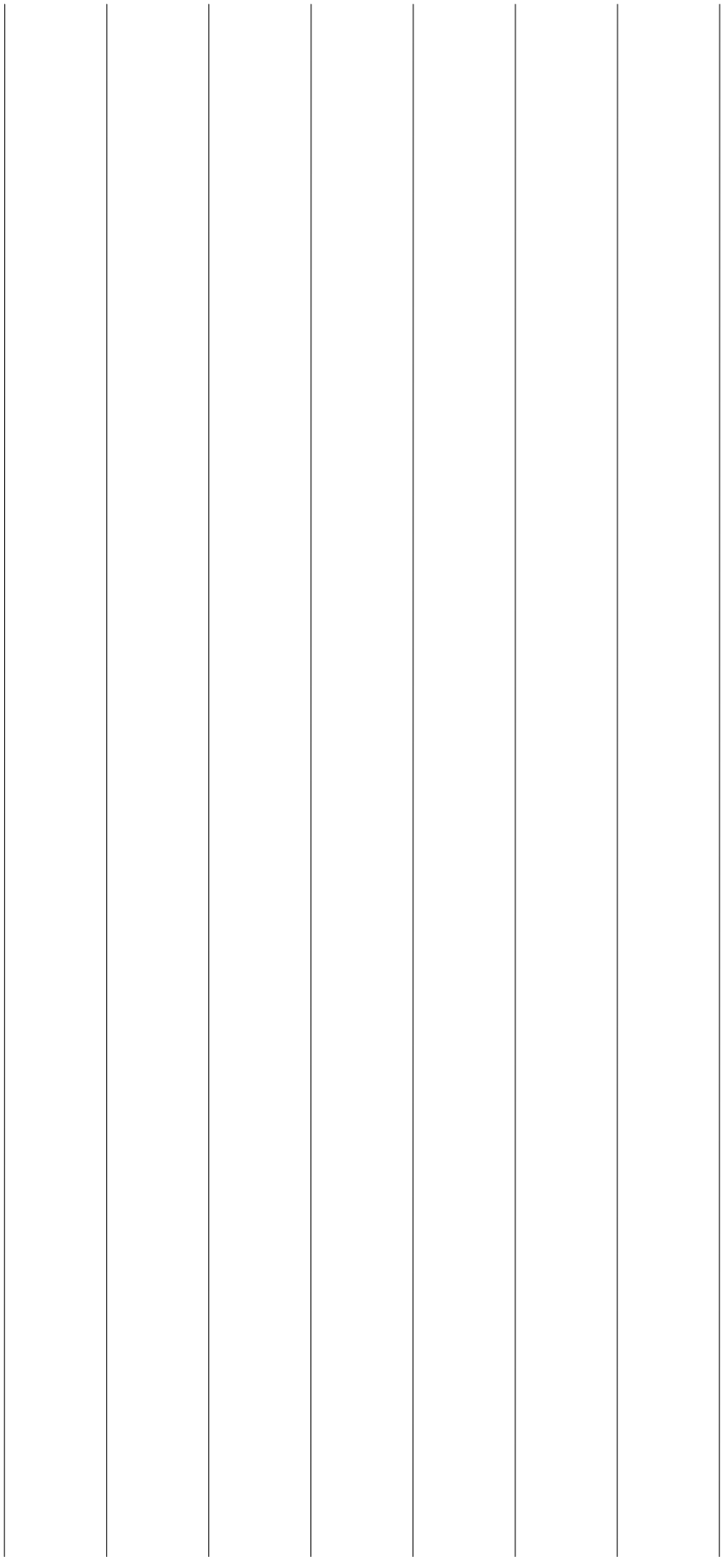
DURATA CONSUMABILI: TONER



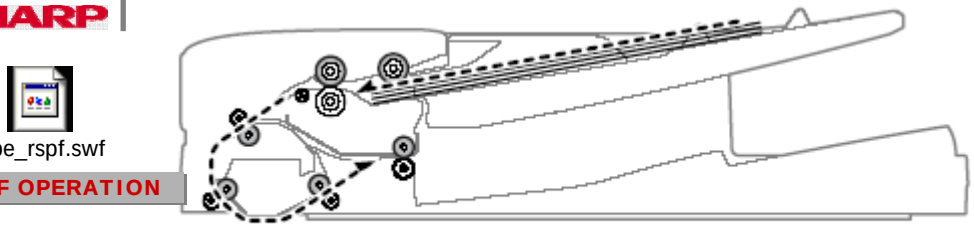


Item/Display		Content		Setting range	Default value
A	TONER PREPARATION (0:YES 1:NO)	0	The toner preparation message is displayed.	0 - 1	List of Default values and set values for each destination
		1	The toner preparation message is not displayed.		
C	TONER NEAR END (0:YES 1:NO)	0	The toner near end message is displayed.	0 - 1	
		1	The toner near end message is not displayed.		

Item/Display		Content			Setting range
B	REMAINING TONER LEVEL	0.05	0	Toner preparation at remaining toner level of 5%	0 - 9
		0.1	1	Toner preparation at remaining toner level of 10%	
		0.15	2	Toner preparation at remaining toner level of 15%	
		0.2	3	Toner preparation at remaining toner level of 20%	
		0.25	4	Toner preparation at remaining toner level of 25%	
		0.3	5	Toner preparation at remaining toner level of 30%	
		0.35	6	Toner preparation at remaining toner level of 35%	
		0.4	7	Toner preparation at remaining toner level of 40%	
		0.45	8	Toner preparation at remaining toner level of 45%	
		0.5	9	Toner preparation at remaining toner level of 50%	



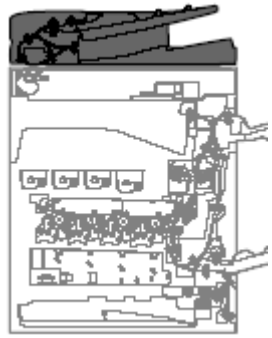
RSPF



Ope_rspf.swf

RSPF OPERATION

Punto lettura originale

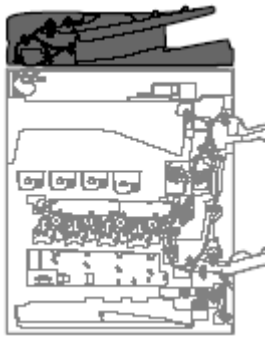


Type	RSPF (Reversing single pass feeder)	
Scan speed	Monochrome (A4/8.5" x 11")	Color (A4/8.5" x 11")
Copy	Single: 50-sheet/min. (600 x 400dpi, 4bit) 36-sheet/min. (600 x 600dpi, 4bit) Double: 20-page/min. (600 x 400dpi, 4bit) 17-page/min. (600 x 600dpi, 4bit)	Single: 36-sheet/min. (600 x 600dpi, 4bit) Double: 17-page/min. (600 x 600dpi, 4bit)
FAX	Single: 50-sheet/min. (200 x 200dpi, 1bit) Double: 20-page/min. (200 x 200dpi, 1bit)	NA
Scanner	Single: 50-sheet/min. (200 x 200dpi, 1bit) Double: 20-page/min. (200 x 200dpi, 1bit)	Single: 50-sheet/min. (200 x 200dpi, 8bit) Double: 20-page/min. (200 x 200dpi, 8bit)

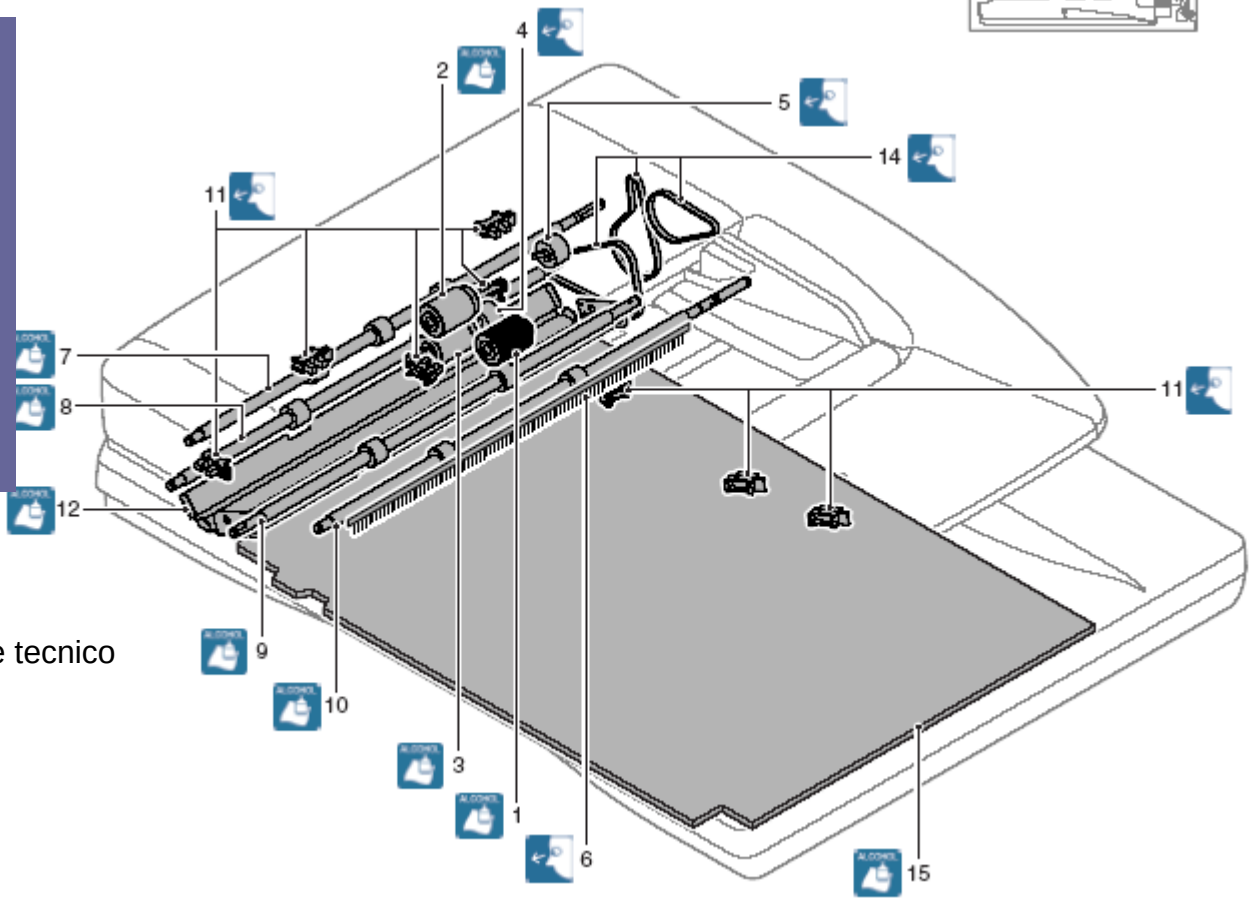
RSPF : Maintenance

×/ : Check (Clean, replace, or adjust according to necessity.) ○/ : Clean

▲/ : Replace △/ : Adjust ☆/ : Lubricate

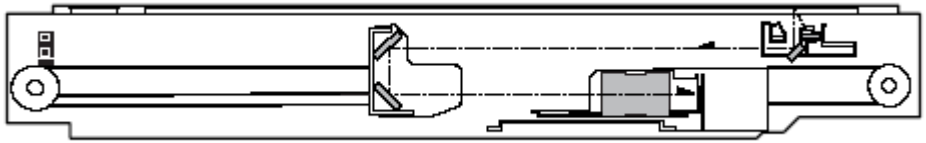


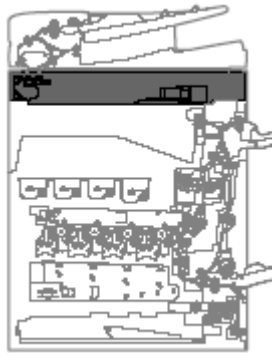
Unit name	Parts work sequence	Part name	When calling	60 K	100 K
RSPF unit	1	Document pickup roller	○	–	○
	2	Paper feed roller	○	–	○
	3	Separation roller	○	–	○
	4	Torque limiter SPF	×	–	×
	5	Take-up torque limiter	×	–	×
	6	Discharge brush	×	–	×
	7	Registration roller	○	–	○
	8	Transport roller 2	○	–	○
	9	Transport roller 3	○	–	○
	10	Paper exit roller	○	–	○
	11	Sensors	×	–	×
	12	Scan plate	○	–	○
	13	Gears	×	–	×
	14	Belts	×	–	×
	15	OC mat	○	–	○



■ Nuova simbologia adottata sul manuale tecnico per le operazioni di manutenzione

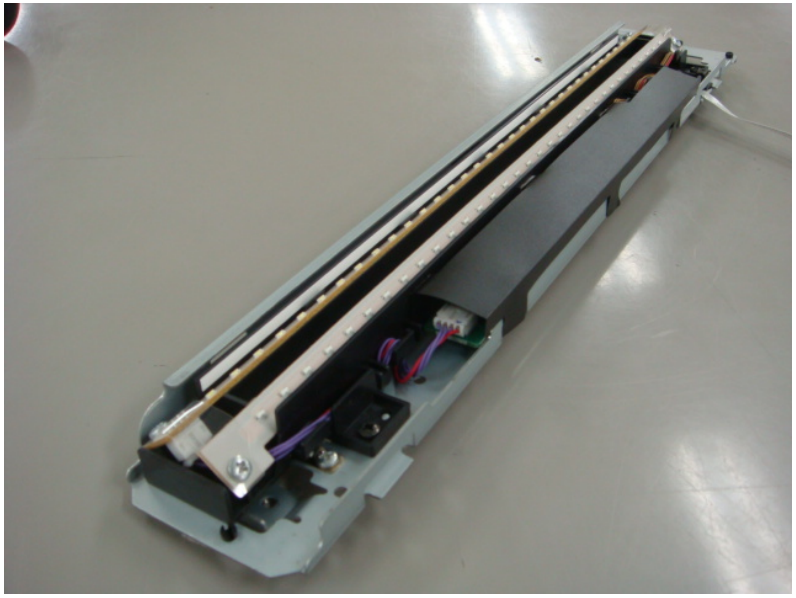
SCANNER



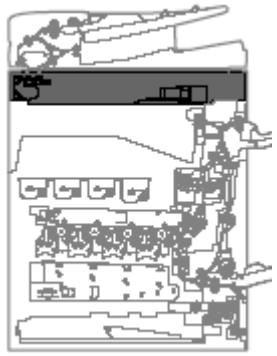


Ope_scn.swf

SCANNER OPERATION



SCANNER : Maintenance



Section name	Unit name	Parts work sequence	Part name	When calling	60 K	100 K	120 K	180 K	200 K	240 K	300 K	360 K	400 K	500 K	600 K	Remark
Scanner section	Scanner unit	1	Drive belt	×	–	×	–	–	×	–	×	–	×	×	×	
		2	Drive wire	×	–	×	–	–	×	–	×	–	×	×	×	
		3	Sensors	×	–	×	–	–	×	–	×	–	×	×	×	
		4	Rails	☆	–	☆	–	–	☆	–	☆	–	☆	☆	☆	
		5	Mirror	○	–	○	–	–	○	–	○	–	○	○	○	
		6	Reflector	○	–	○	–	–	○	–	○	–	○	○	○	
		7	Scanner lamp	○	–	○	–	–	○	–	○	–	○	○	○	
		8	Lens	○	–	○	–	–	○	–	○	–	○	○	○	
		9	CCD	○	–	○	–	–	○	–	○	–	○	○	○	
		10	Table glass	○	–	○	–	–	○	–	○	–	○	○	○	
		11	SPF glass	○	–	○	–	–	○	–	○	–	○	○	○	

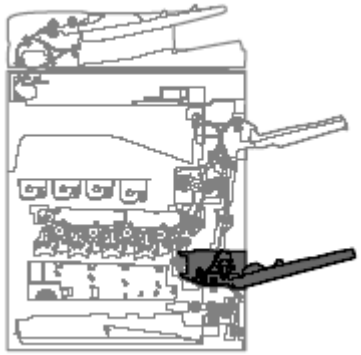
- Per pulire la barra LED utilizzare solo uno straccio asciutto

PERCORSO CARTA

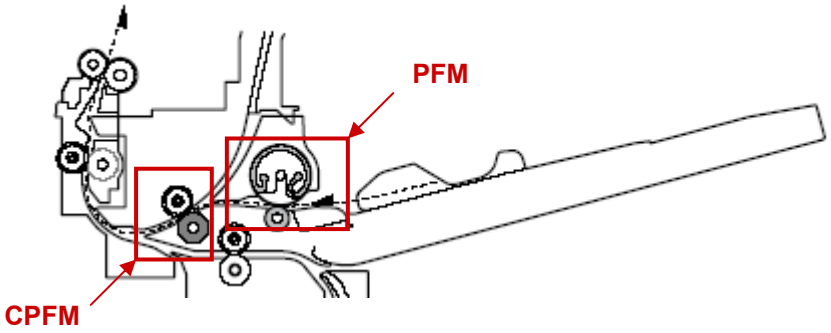
feed01a4s.swf

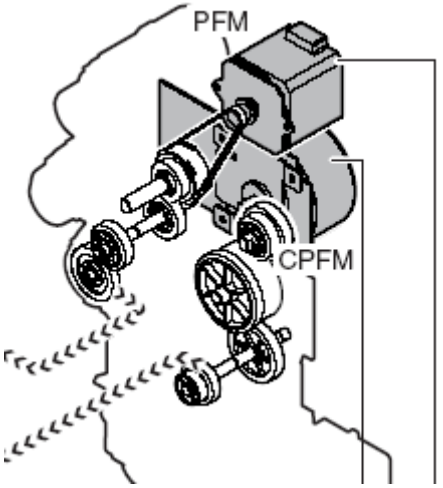
BY-PASS TRAY

elect_cpfm.swf

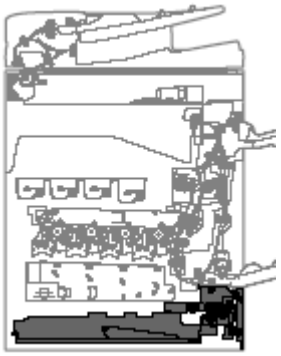


Signal name	Name
CPFM	Paper feed motor
PFM	Transport motor
MPFS	Paper feed solenoid (Manual paper feed)





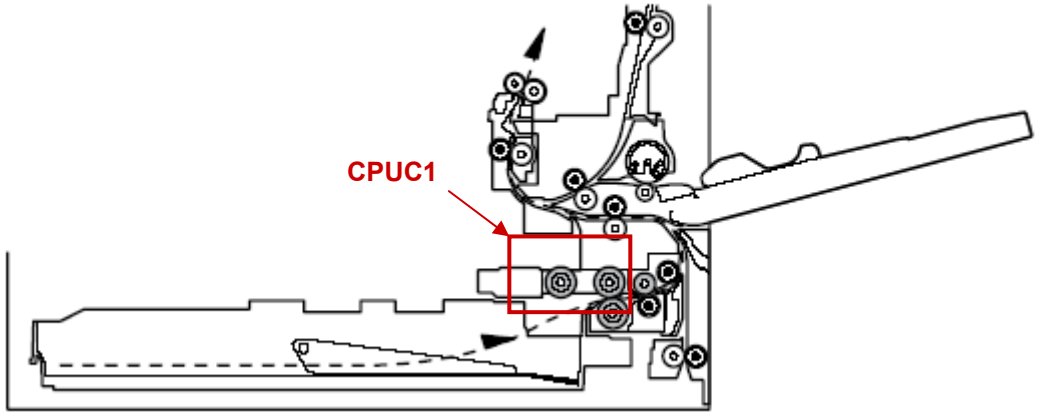
PERCORSO CARTA

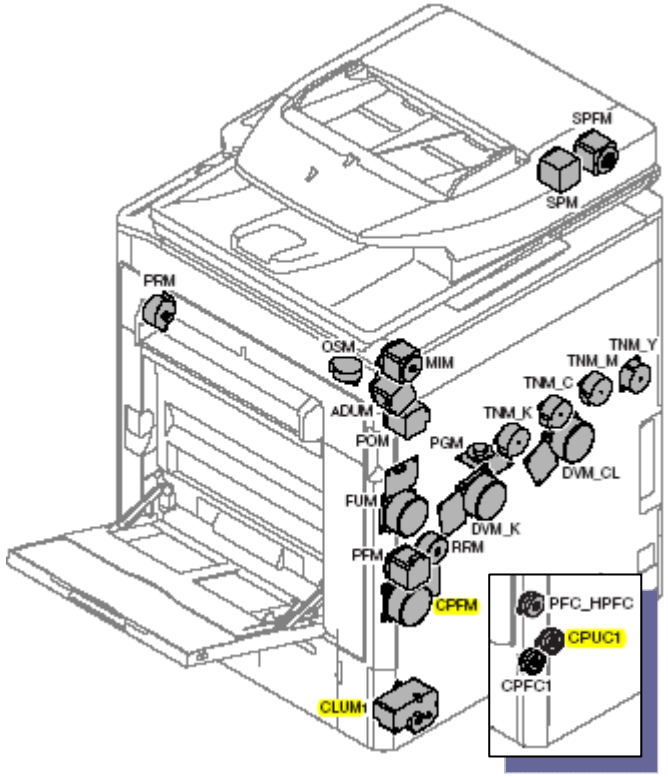


feed02a4s.swf — STD. TRAY — ope_fed02.swf

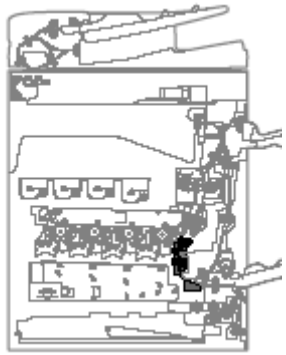
feed03a4w.swf — OPT. TRAYS — ope_fed03.swf

Signal name	Name
CPUC1	Paper feed clutch (Paper feed tray 1)
CPFM	Paper feed motor
CLUM1	Paper tray lift motor (Paper feed tray 1)





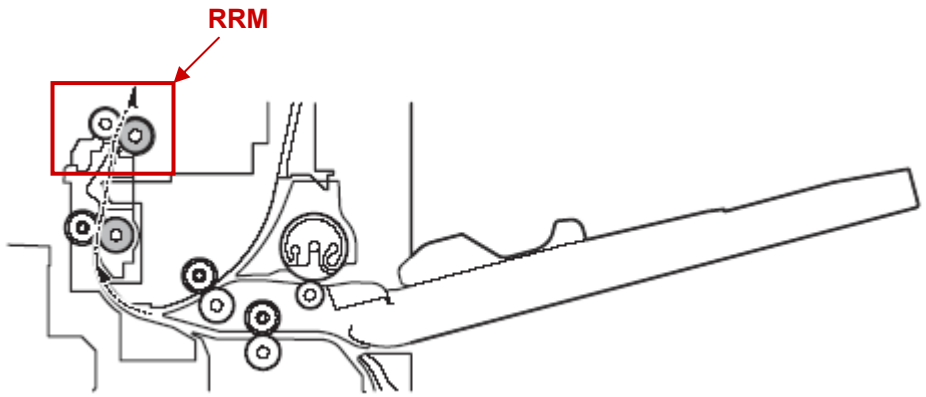
PERCORSO CARTA

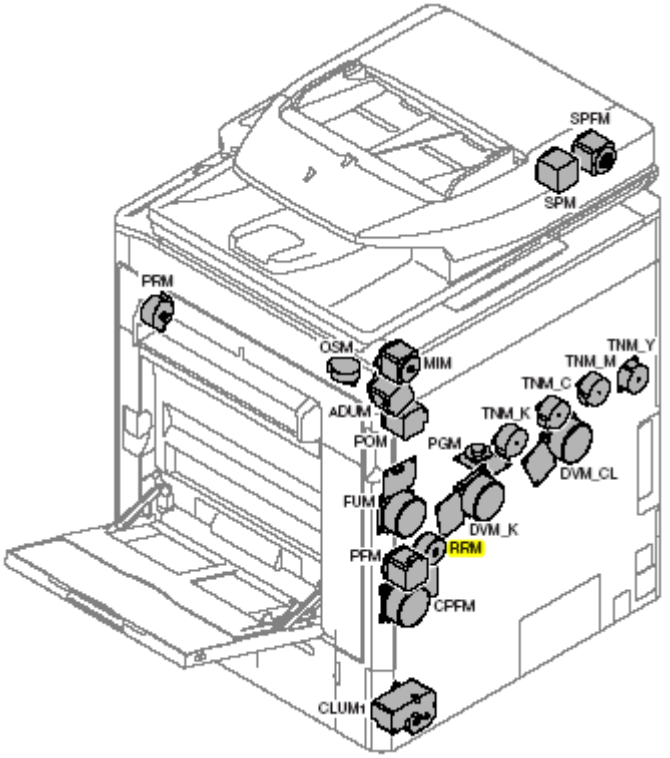


ope_fed04.swf

PAPER REGISTRATION

Signal name	Name
RRM	Registration motor

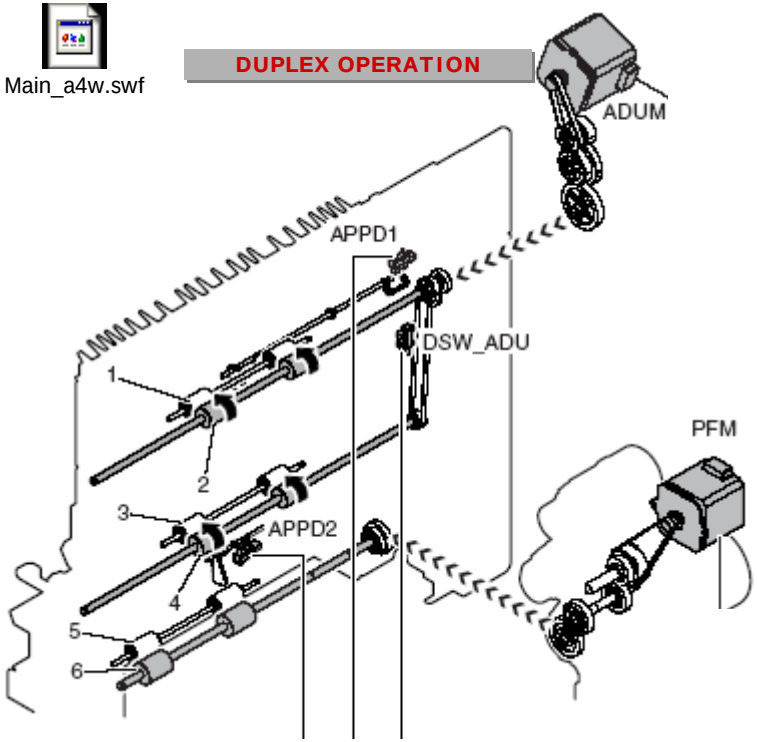


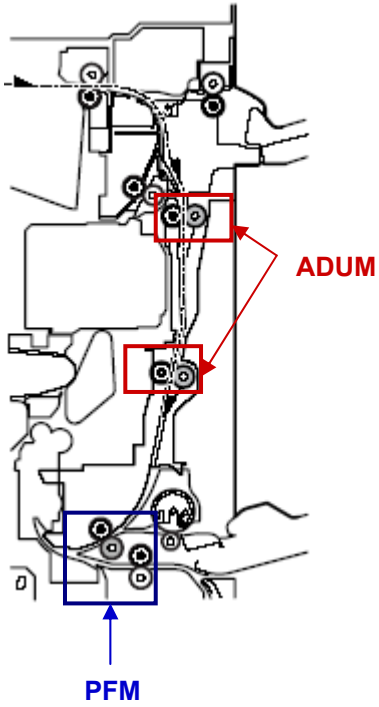


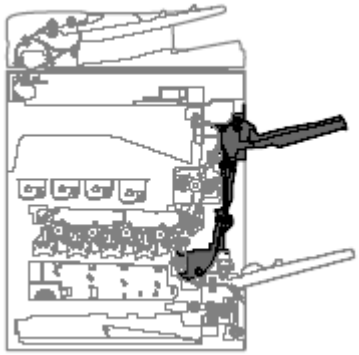
PERCORSO CARTA

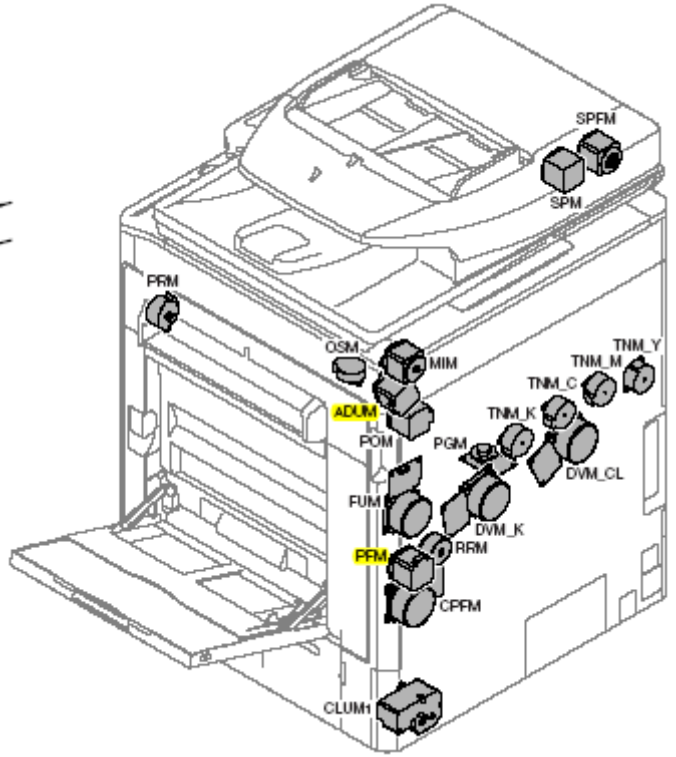
Main_a4w.swf

DUPLEX OPERATION









Signal name	Name
ADUM	ADU motor
APPD1	ADU paper transport detector 1
APPD2	ADU paper transport detector 2
DSW_ADU	ADU paper guide open/close detector
PFM	Transport motor

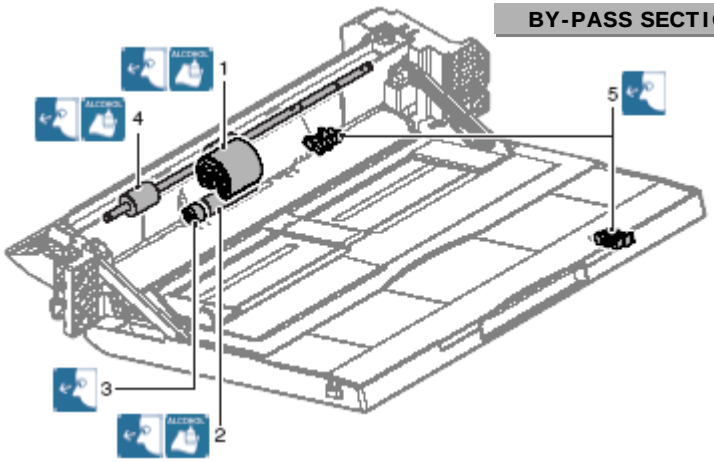
PERCORSO CARTA - MAINTENANCE

×: Check (Clean, replace, or adjust according to necessity.) ○: Clean ▲: Replace △: Adjust ☆: Lubricate

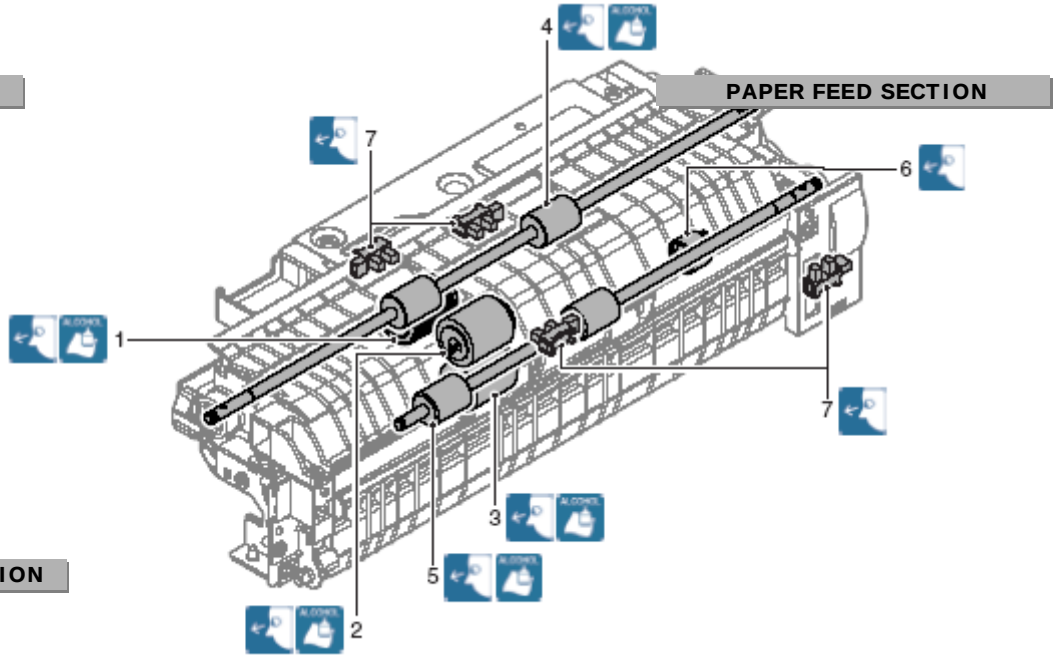
Section name	Unit name	Parts work sequence	Part name	When calling	60 K	100 K	120 K	180 K	200 K	240 K	300 K	360 K	400 K	500 K	600 K	Remark
Manual paper feed section	Manual paper feed unit	1	Paper feed roller	×	–	○	–	–	○	–	○	–	○	○	○	Replace at 100K of the manual paper feed counter or 1 year of use.
		2	Separation roller	×	–	○	–	–	○	–	○	–	○	○	○	
		3	Torque limiter	×	–	×	–	–	×	–	×	–	×	×	×	
		4	Transport roller 9	×	–	○	–	–	○	–	○	–	○	○	○	
		5	Sensors	×	–	×	–	–	×	–	×	–	×	×	×	
		–	Paper guides	○	–	○	–	–	○	–	○	–	○	○	○	Clean with alcohol.
Tray paper feed section	Tray paper feed unit	1	Paper pickup roller	×	–	○	–	–	○	–	○	–	○	○	○	Replace at 100K of the tray paper feed counter or 1 year of use.
		2	Paper feed roller	×	–	○	–	–	○	–	○	–	○	○	○	
		3	Separation roller	×	–	○	–	–	○	–	○	–	○	○	○	
		4	Transport roller 4	×	–	○	–	–	○	–	○	–	○	○	○	
		5	Transport roller 2	×	–	○	–	–	○	–	○	–	○	○	○	
		6	Torque limiter	×	–	×	–	–	×	–	×	–	×	×	×	
		7	Sensors	×	–	×	–	–	×	–	×	–	×	×	×	
		–	Paper guides	○	–	○	–	–	○	–	○	–	○	○	○	Clean with alcohol.

PERCORSO CARTA - MAINTENANCE

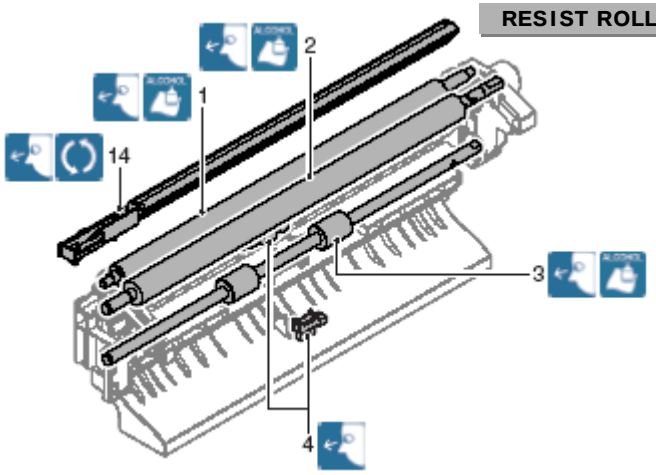
BY-PASS SECTION



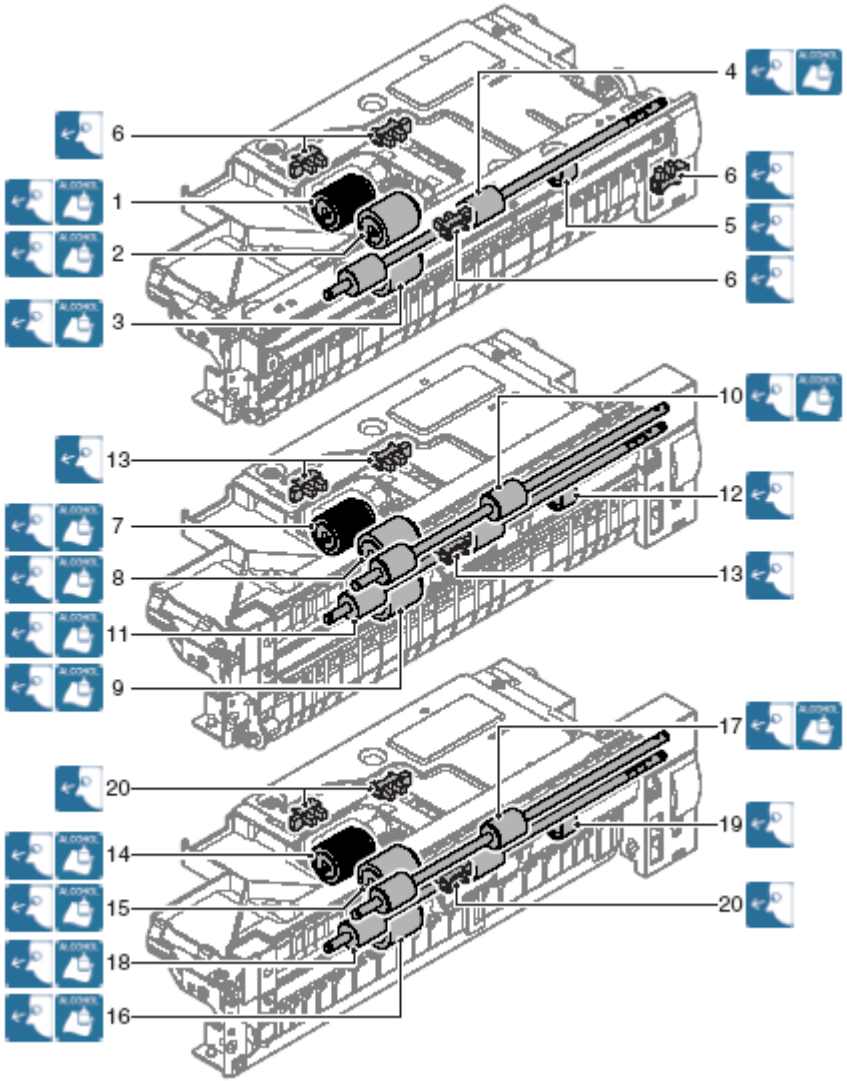
PAPER FEED SECTION



RESIST ROLLER SECTION



PERCORSO CARTA - MAINTENANCE



TRAY 2 PAPER FEED SECTION

TRAY 3 PAPER FEED SECTION

TRAY 4 PAPER FEED SECTION

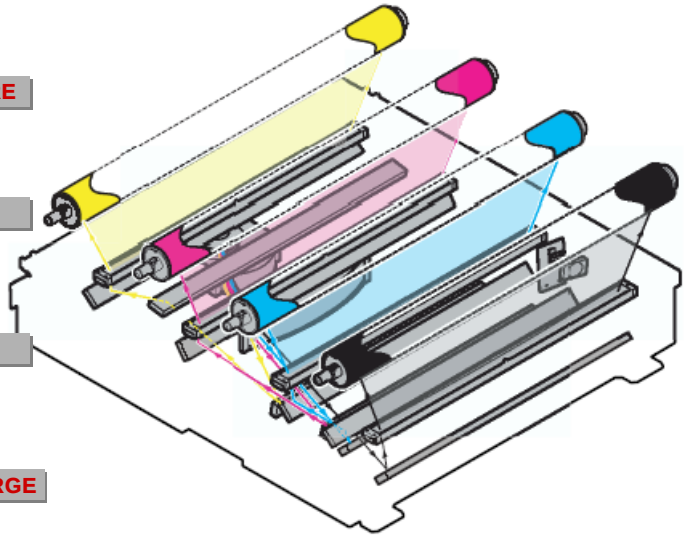
UNITA' CILINDRO

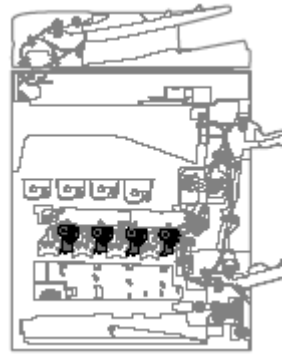
ope_pho01.swf — CHARGE + EXPOSURE

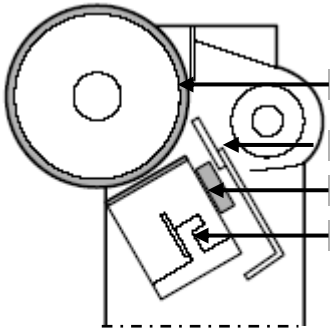
ope_pho02.swf — DV OPERATION

ope_pho03.swf — TRANSFER

ope_pho05_1.swf — CLEANING+DISCHARGE





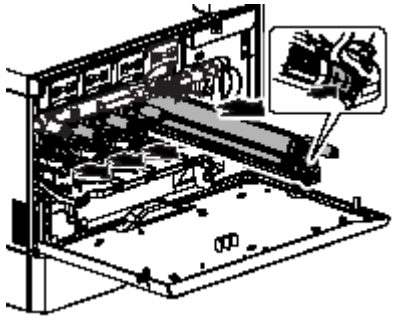


CILINDRO

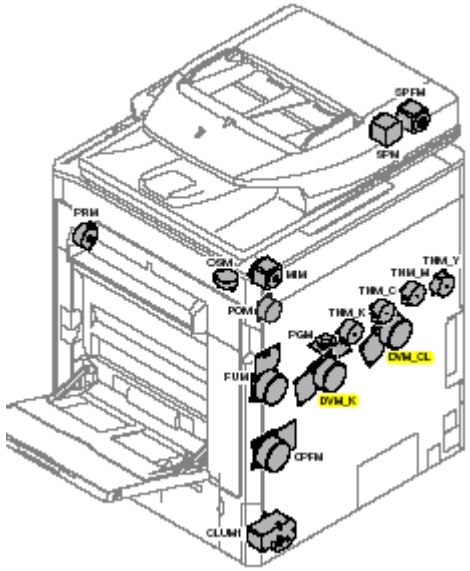
LAMA PULIZIA

LAMPADA SCARICA

UNITA' DI CARICA



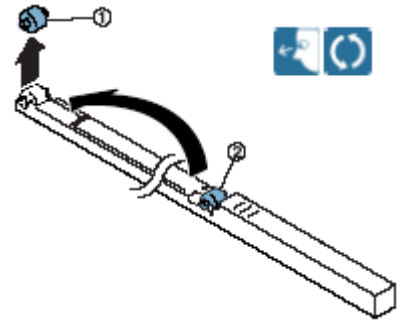
Signal name	Name
DVM_CL	Developing motor (CL)
DVM_K	Developing motor (K)

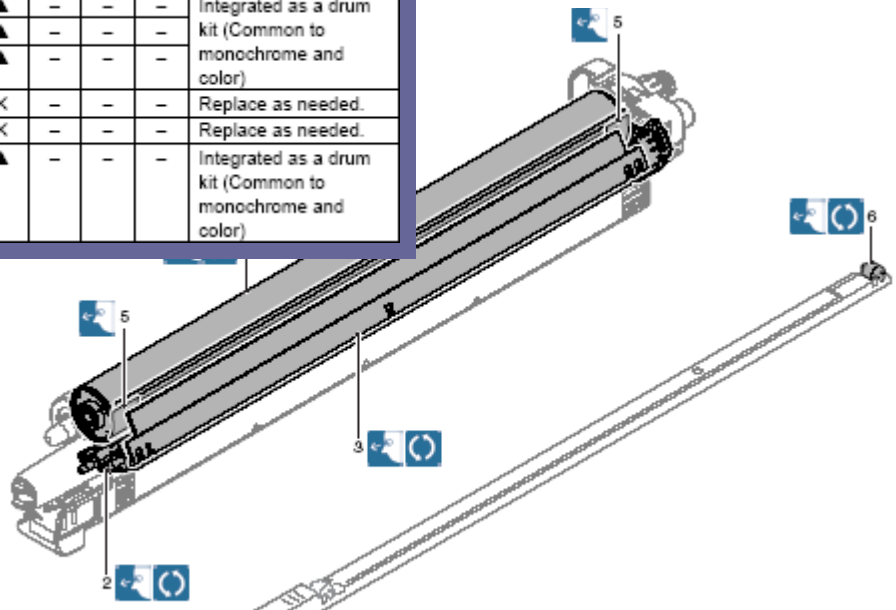


UNITA' CILINDRO - MAINTENANCE

X: Check (Clean, replace, or adjust according to necessity.) ○: Clean ▲: Replace △: Adjust ☆: Lubricate

Unit name	Parts work sequence	Part name	When calling	60 K	100 K	120 K	180 K	200 K	240 K	300 K	360 K	400 K	500 K	600 K	Remark
OPC drum unit (monochrome)	1	Drum	X	–	▲	–	–	▲	–	▲	–	▲	▲	▲	Integrated as a drum kit (Common to monochrome and color)
	2	MC unit	X	–	▲	–	–	▲	–	▲	–	▲	▲	▲	
	3	Cleaning blade	X	–	▲	–	–	▲	–	▲	–	▲	▲	▲	
	4	Toner reception blade	X	–	X	–	–	X	–	X	–	X	X	X	Replace as needed.
	5	Side seals F/R	X	–	X	–	–	X	–	X	–	X	X	X	Replace as needed.
	6	Charger cleaner	X	▲	–	▲	▲	–	▲	▲	▲	–	–	–	Integrated as a drum kit (Common to monochrome and color)
OPC drum unit (color)	1	Drum	X	▲	–	▲	▲	–	▲	▲	▲	–	–	–	Integrated as a drum kit (Common to monochrome and color)
	2	MC unit	X	▲	–	▲	▲	–	▲	▲	▲	–	–	–	
	3	Cleaning blade	X	▲	–	▲	▲	–	▲	▲	▲	–	–	–	
	4	Toner reception blade	X	X	–	X	X	–	X	X	X	–	–	–	Replace as needed.
	5	Side seals F/R	X	X	–	X	X	–	X	X	X	–	–	–	Replace as needed.
	6	Charger cleaner	X	▲	–	▲	▲	–	▲	▲	▲	–	–	–	Integrated as a drum kit (Common to monochrome and color)



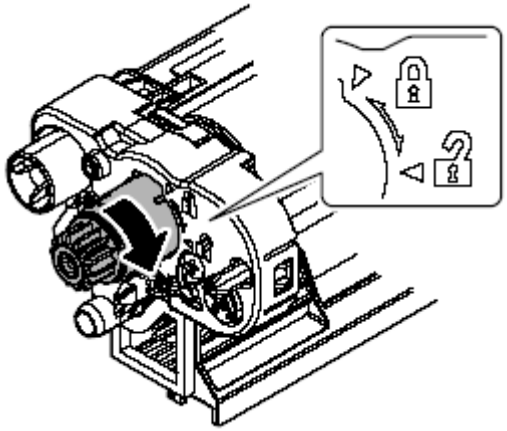


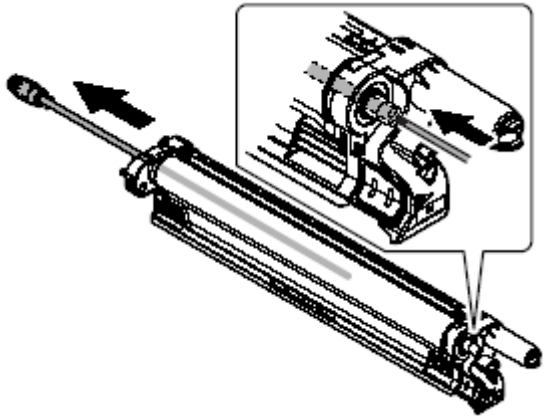
■ La procedura di maintenance è necessaria solo se non si sostituisce il Drum Cartridge completo

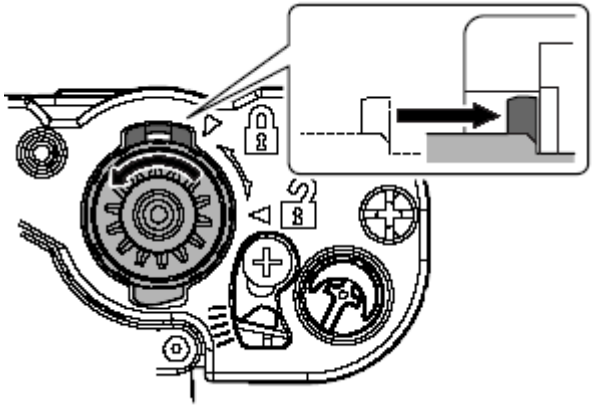
Main charger kit	Main charger unit	x 1	Black: 100K Color: 60K	MX-230MK
	Cleaning gum AS AR	x 1		
	Cleaning blade AR	x 1		

UNITA’ CILINDRO - MAINTENANCE

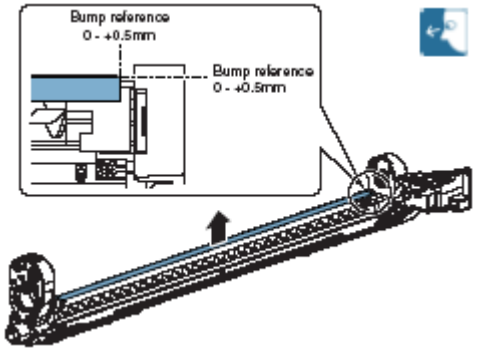
- Procedura per estrarre il cilindro dal cartridge

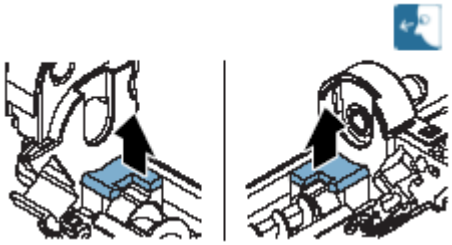


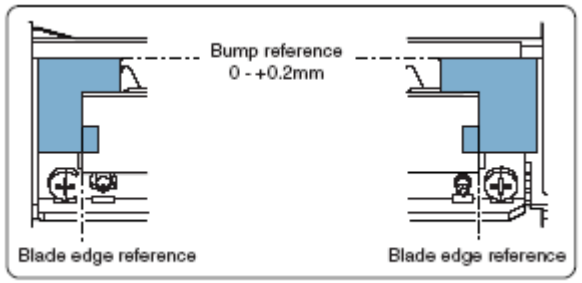




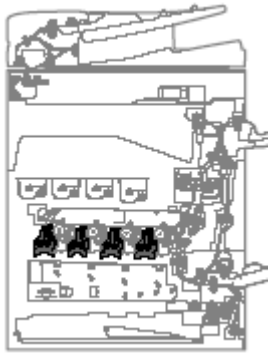
- Controllo visivo e sostituzione se necessario (oltre alla sostituzione del contenuto del Kit MX-230MK)







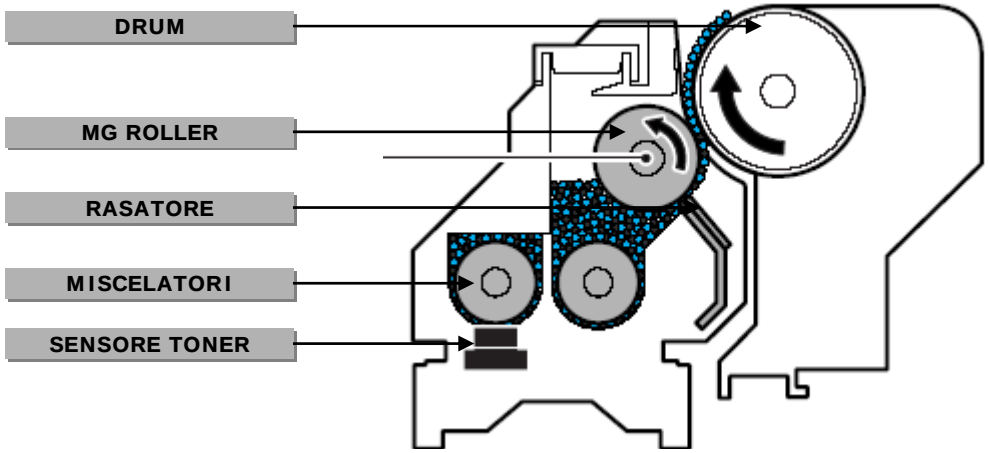
UNITA' DEVELOPER



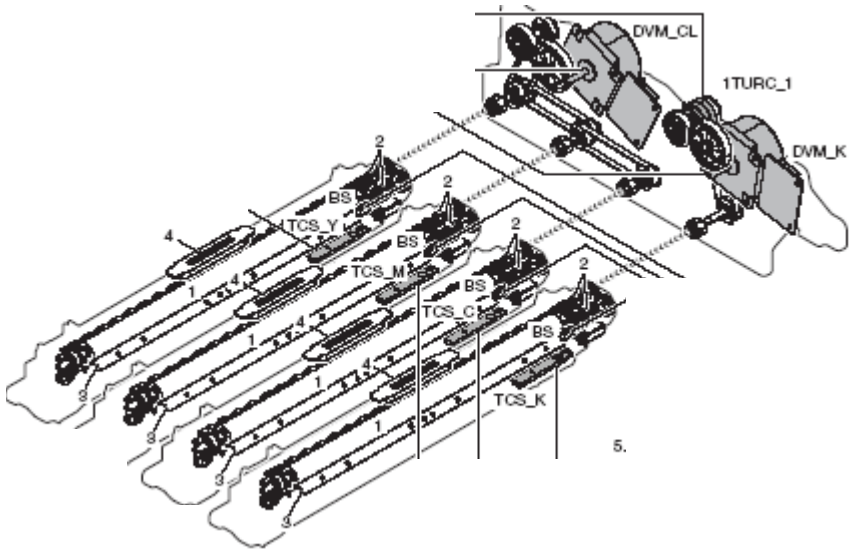
ope_pho02.sw

DV OPERATION

TONER SUPPLY



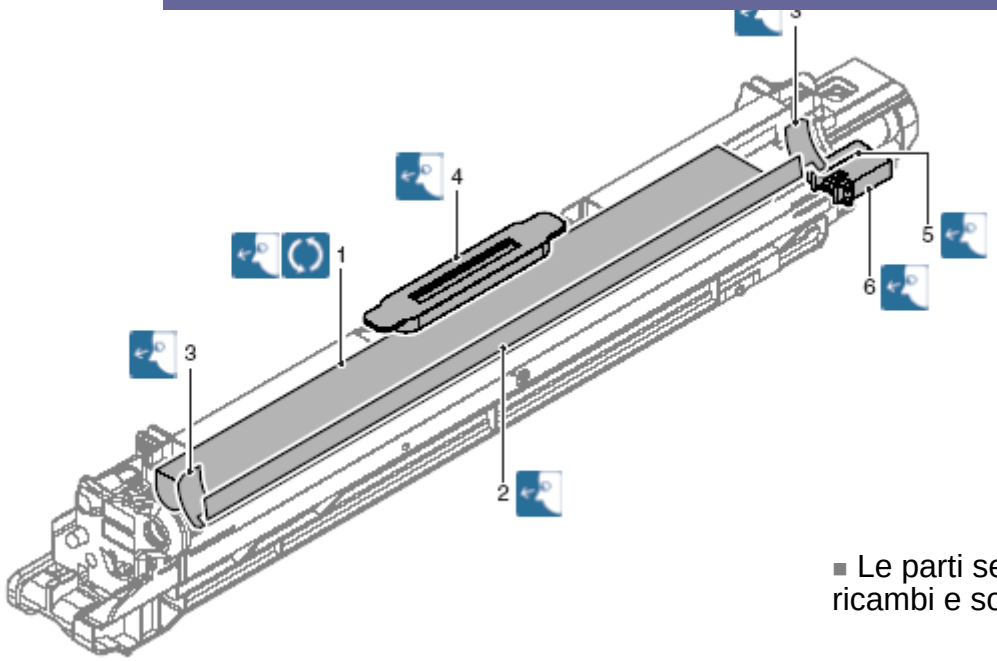
Signal name	Name
DVM_CL	Developing motor (CL)
DVM_K	Developing motor (K)



UNITA' DEVELOPER - MAINTENANCE

×: Check (Clean, replace, or adjust according to necessity.) ○: Clean ▲: Replace △: Adjust ☆: Lubricate

Unit name	Parts work sequence	Part name	When calling	60 K	100 K	120 K	180 K	200 K	240 K	300 K	360 K	400 K	500 K	600 K	Remark
Developing unit (monochrome)	1	Developer	×	–	▲	–	–	▲	–	▲	–	▲	▲	▲	
	2	DV seal	×	–	×	–	–	×	–	×	–	×	×	×	Replace as needed.
	3	DV side seals F/R	×	–	×	–	–	×	–	×	–	×	×	×	Replace as needed.
	4	Toner filter	×	–	×	–	–	×	–	×	–	×	×	×	Replace as needed.
	5	Bias pin	×	–	×	–	–	×	–	×	–	×	×	×	
	6	Connector	×	–	×	–	–	×	–	×	–	×	×	×	
Developing unit (color)	1	Developer	×	▲	–	▲	▲	–	▲	▲	▲	–	–	–	
	2	DV seal	×	×	–	×	×	–	×	×	×	–	–	–	Replace as needed.
	3	DV side seals F/R	×	×	–	×	×	–	×	×	×	–	–	–	Replace as needed.
	4	Toner filter	×	×	–	×	×	–	×	×	×	–	–	–	Replace as needed.
	5	Bias pin	×	×	–	×	×	–	×	×	×	–	–	–	
	6	Connector	×	×	–	×	×	–	×	×	×	–	–	–	



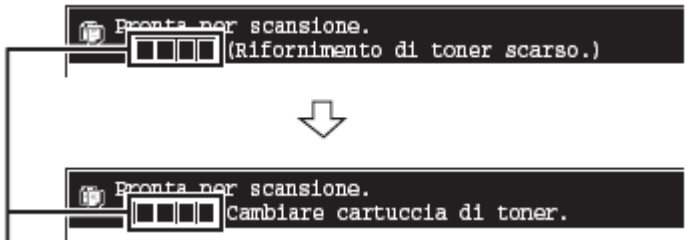
- How to use

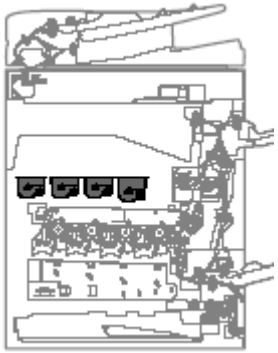
DV HANDLE

UKOG-0341FCZZ

■ Le parti segnate "Replace as needed" vanno ordinate come ricambi e sostituite **se necessario.**

UNITA' TONER





Notifica a display di sostituzione toner

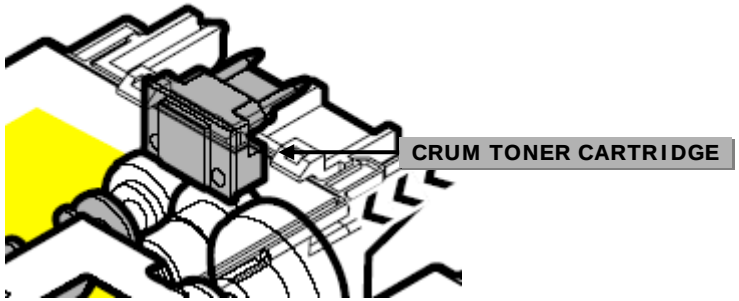
- Segnalazione di sostituzione cartuccia toner nero:
  - produzione in nero inibita
  - produzione colore inibita

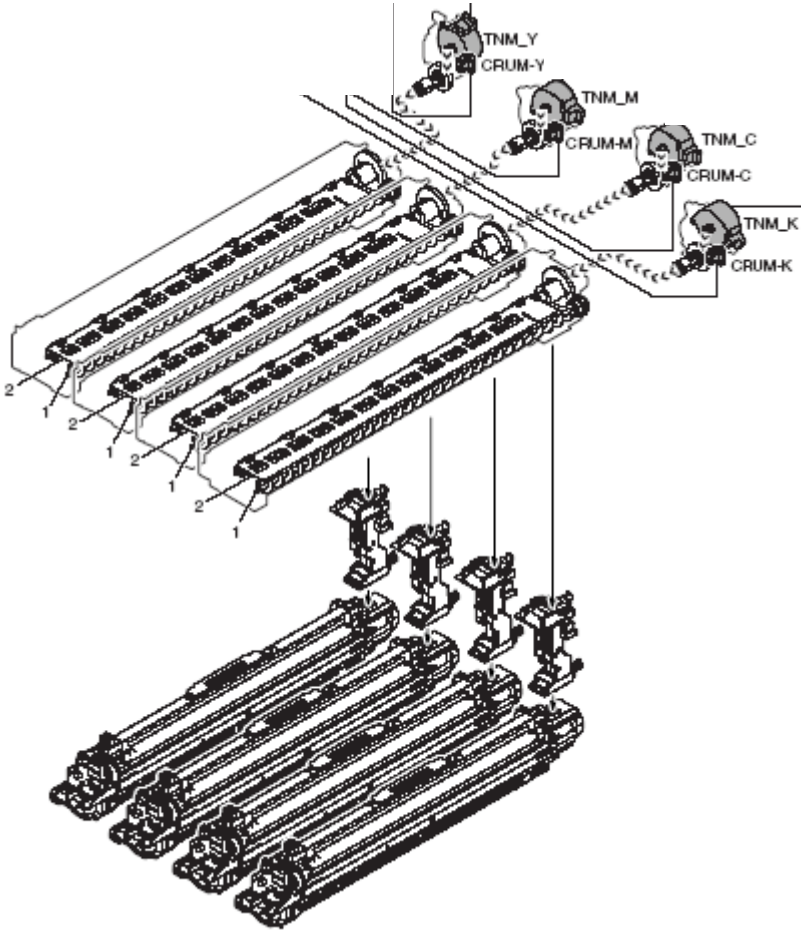
- Segnalazione di sostituzione cartuccia colore:
  - produzione in nero consentita
  - produzione colore inibita

- Segnalazione di rifornimento toner scarso:
  - sotto il 25% di toner residuo

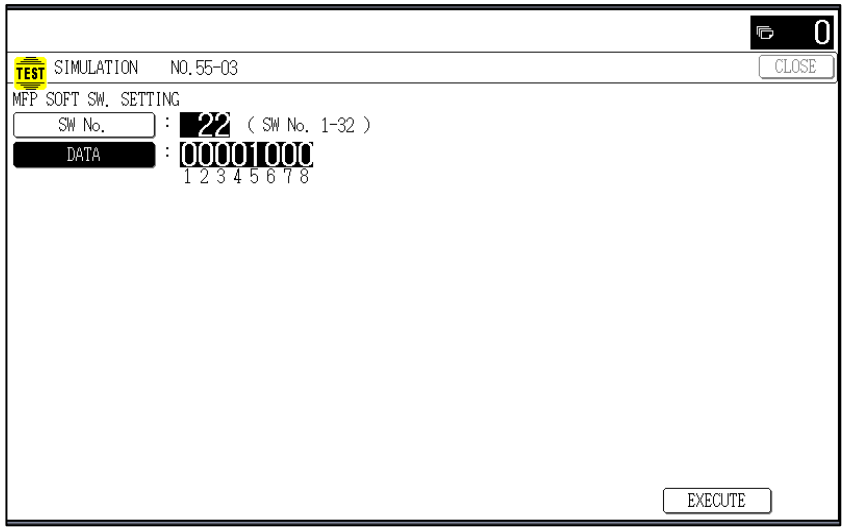
- Cartuccia toner provvista di CRUM che identifica colore e memorizza dati inerenti utilizzo cartuccia

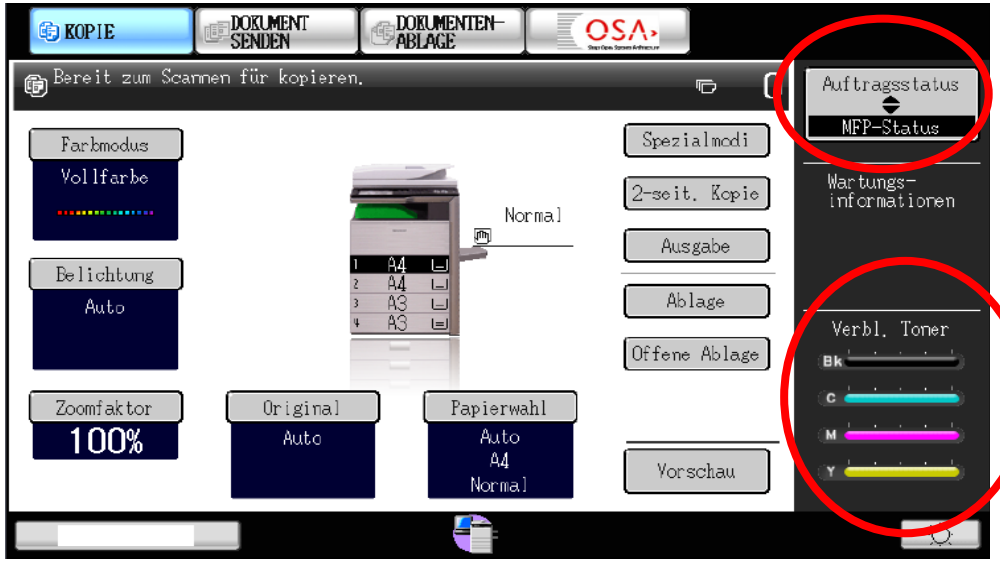
- La SIM. 22-14 e la stampa 22-06 permette i controllo delle cartucce toner utilizzate dalla MFP

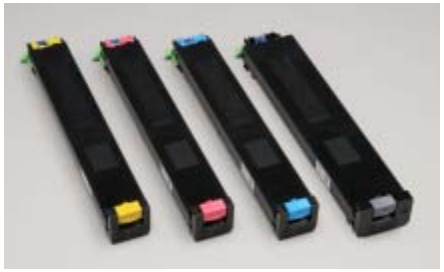




UNITA' TONER



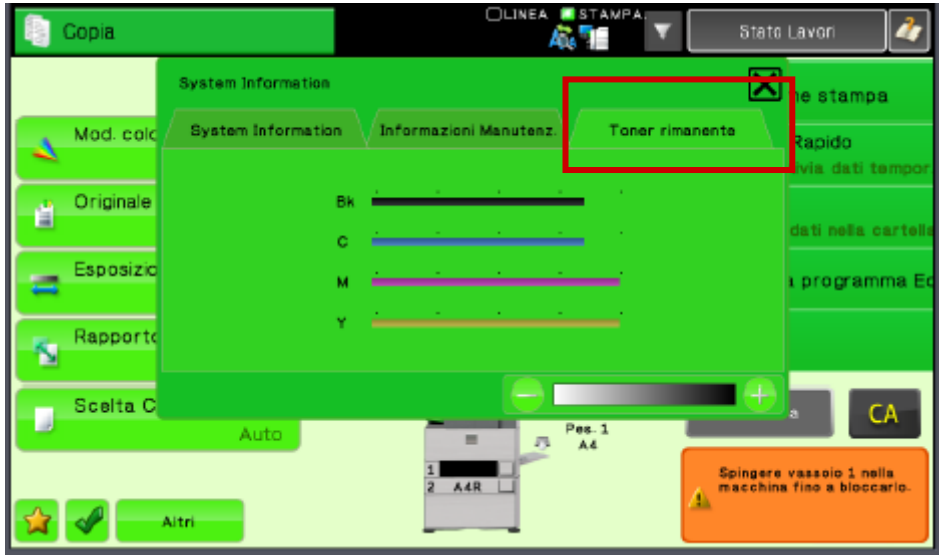




Indica in modalità grafica il toner rimanente

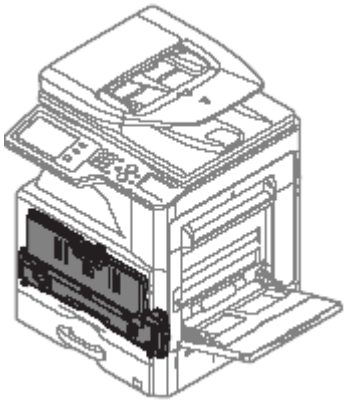
Attivabile con Sim.55-03

SW 22 – Bit 5=1



GEMINI SERIES - MX 2010U/2310U/3111U ARIES SERIES - MX-2610N / 3110N / 3610N

RECUPERO TONER

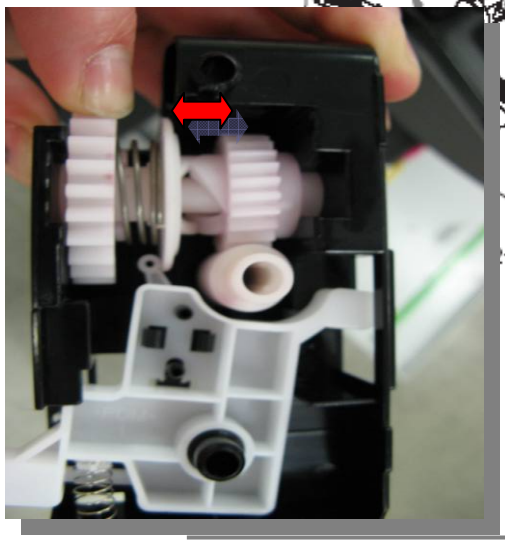


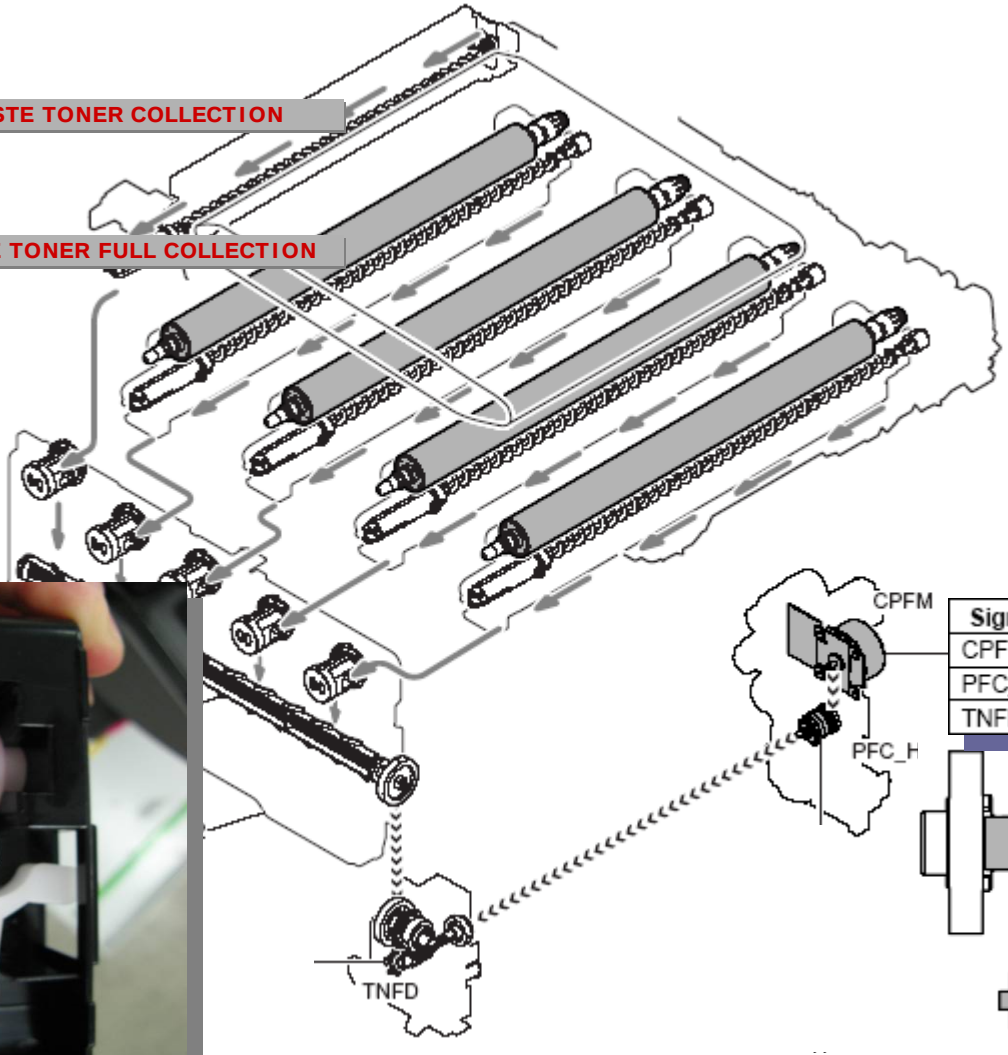
ope_pho05_4.swf

WASTE TONER COLLECTION

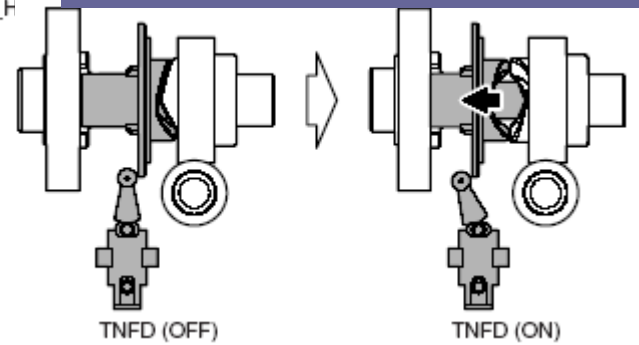
ope_pho05_5.swf

WASTE TONER FULL COLLECTION



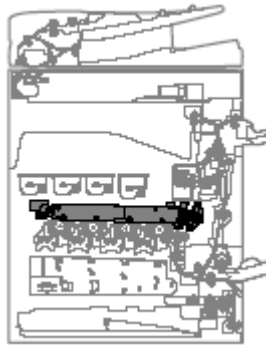


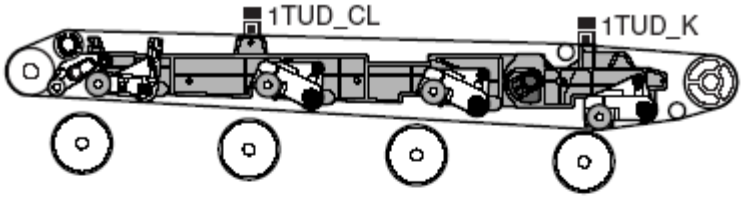
Signal name	Name
CPFM	Paper feed motor
PFC_HPFC	Transport roller clutch
TNFD	Waste toner full detector



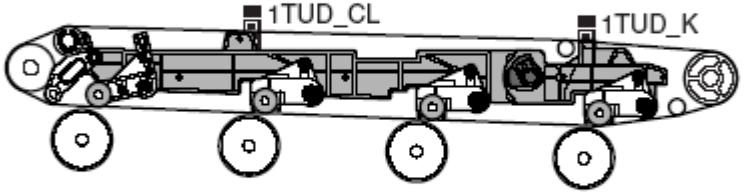
GEMINI SERIES - MX 2010U/2310U/3111U ARIES SERIES - MX-2610N / 3110N / 3610N

UNITA' TRASFERIMENTO PRIMARIO

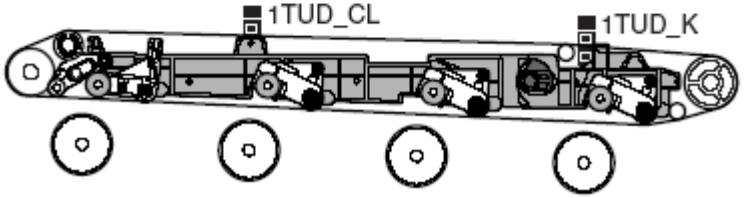




Monochrome print mode



Color print mode



Free position

- TUD_CL + TUD_K: controllano il posizionamento del telo

Mode	Transfer mode detector	
	1TUD_CL	1TUD_K
Monochrome print mode	ON	ON
Color print mode	OFF	ON
Free position	ON	OFF

STAMPA COLORE

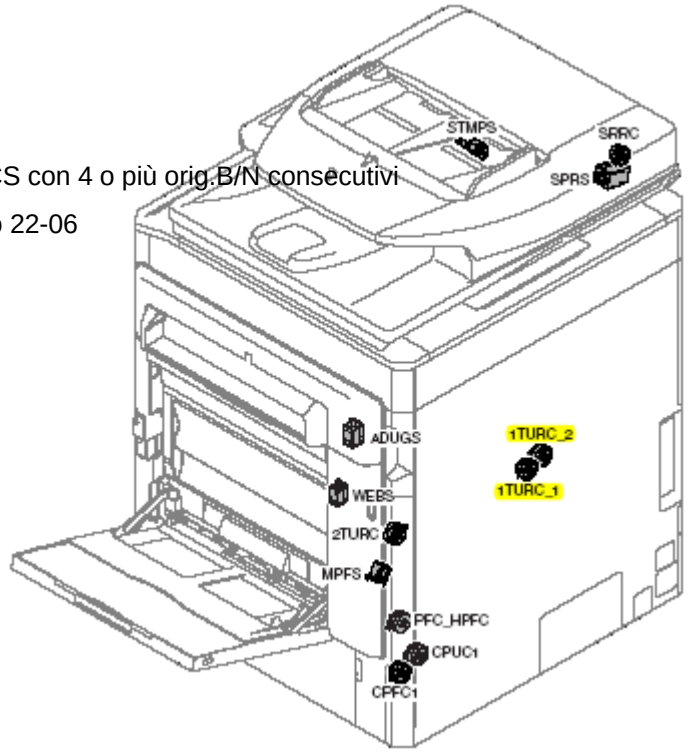
- Copia/stampa colore
- Stampe di servizio tipo 61-04 – 46-74 ecc.
- Simulazioni tipo 50-22

POSIZIONE FREE

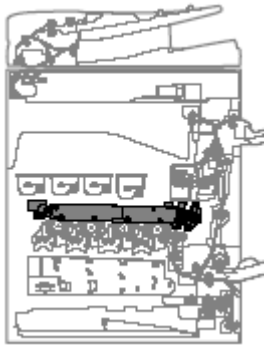
- Pulizia del telo

STAMPA B / N

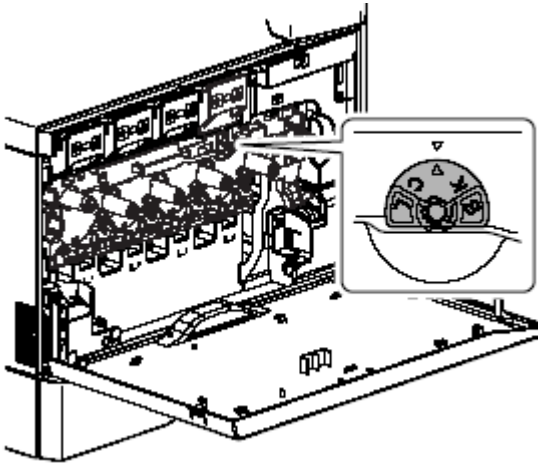
- Copia/stampa B/N
- Copia colore: mod. ACS con 4 o più orig.B/N consecutivi
- Stampe di servizio tipo 22-06

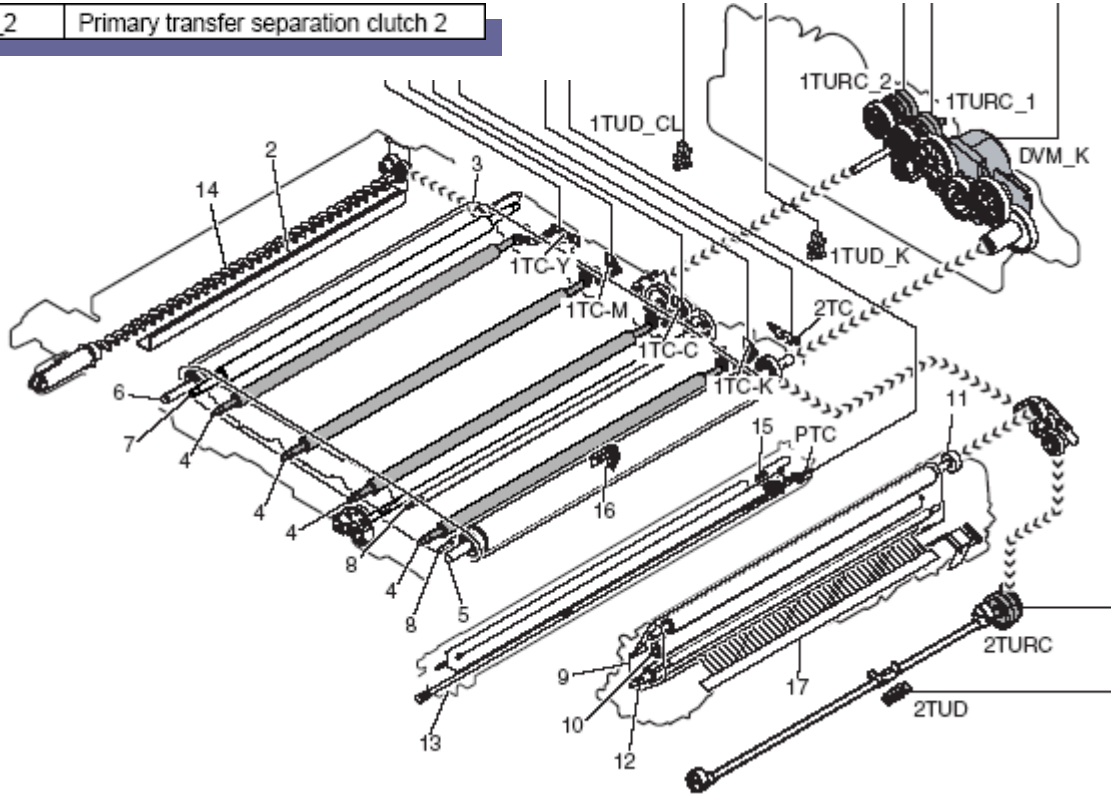


UNITA' TRASFERIMENTO



Signal name	Name
1TUD_CL	Transfer mode detector (CL)
1TUD_K	Transfer mode detector (BK)
1TURC_1	Primary transfer separation clutch 1
1TURC_2	Primary transfer separation clutch 2



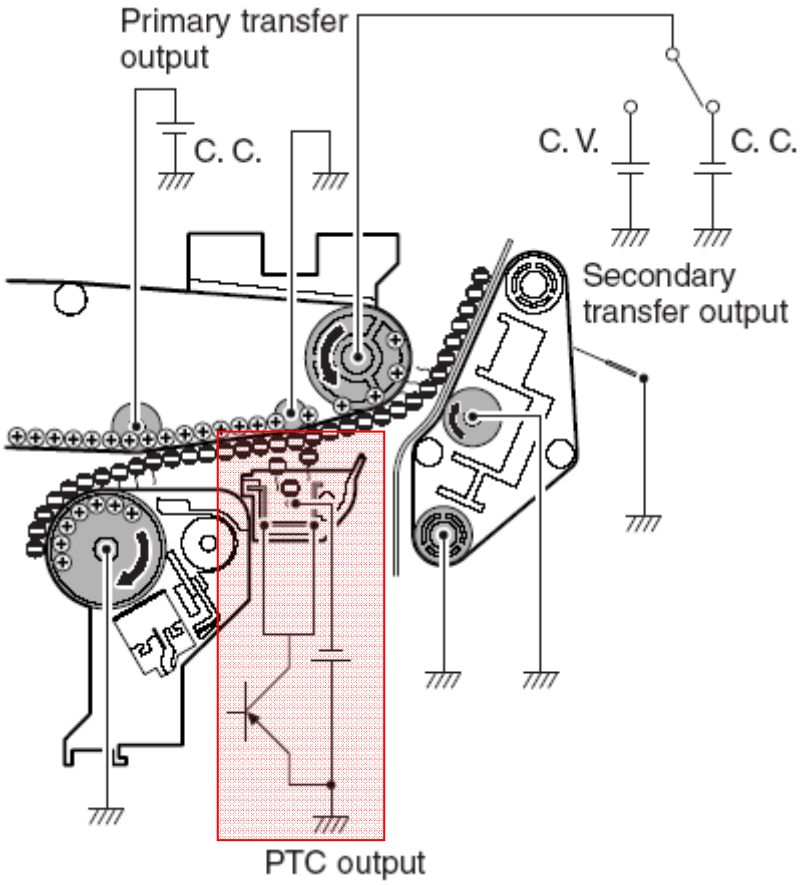


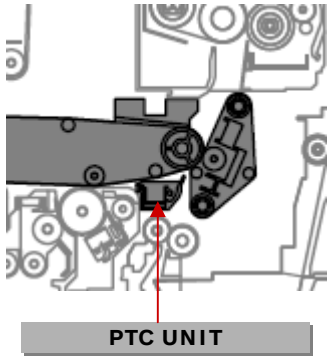
ope_pho05_2.swf **PRIMARY TRANSFER CLEANING**

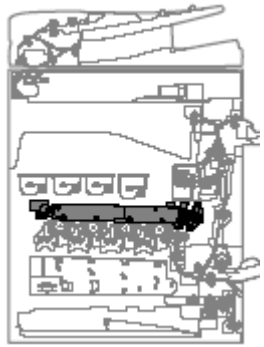
ope_pho05_3.swf **SECONDARY TRANSFER CLEANING**

ope_pho03.swf **TRANSFER+SWITCH OPERATION**

PRE-TRANSFER CORONA (PTC)







La polarizzazione negativa data al telo di trasferimento primario dal PTC facilità il trasferimento del toner sulla carta riducendo la forza di attrazione al telo dello stesso.

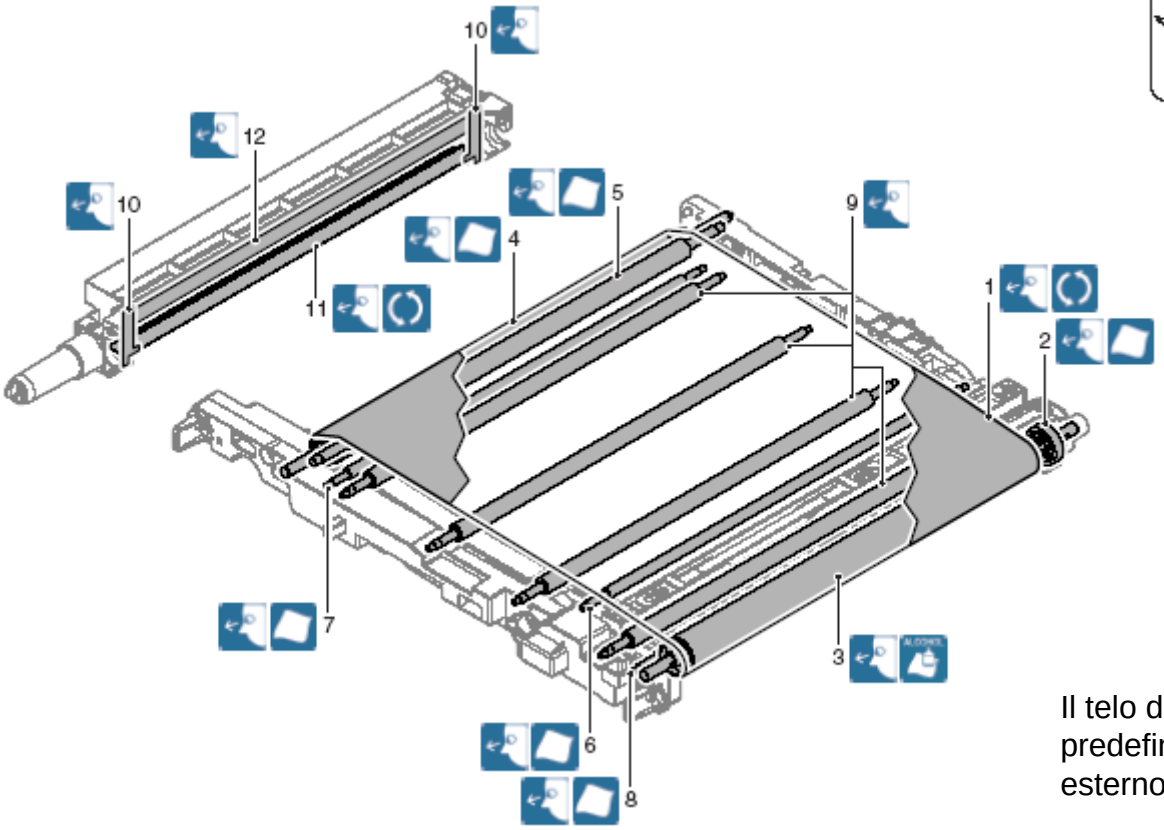
Riduce il quantitativo di toner di scarto che rimane sul telo e migliora la qualità stampa rispetto alle macchine senza il PTC Unit.

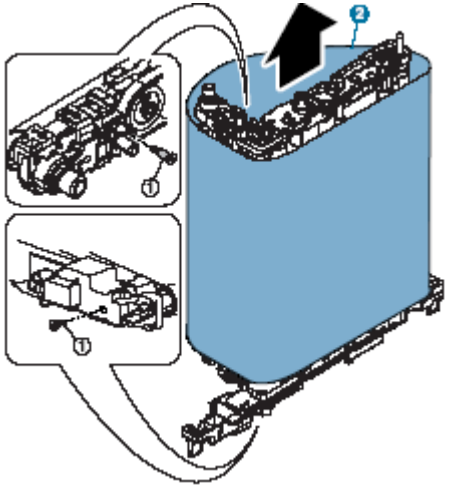
C4-00 **PTC trouble**
(TC high voltage PWB trouble)

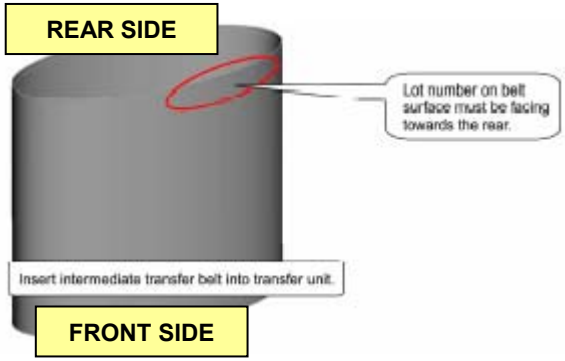
UNITA'TRASFERIMENTO PRIMARIO - MAINTENANCE

Primary transfer belt kit	Primary transfer belt AR	x 1	100K	MX-230B1
Primary transfer blade kit	Primary transfer blade AR	x 1	100K	MX-230TL

PTC kit	PTC unit	x 1	100K	MX-230CU





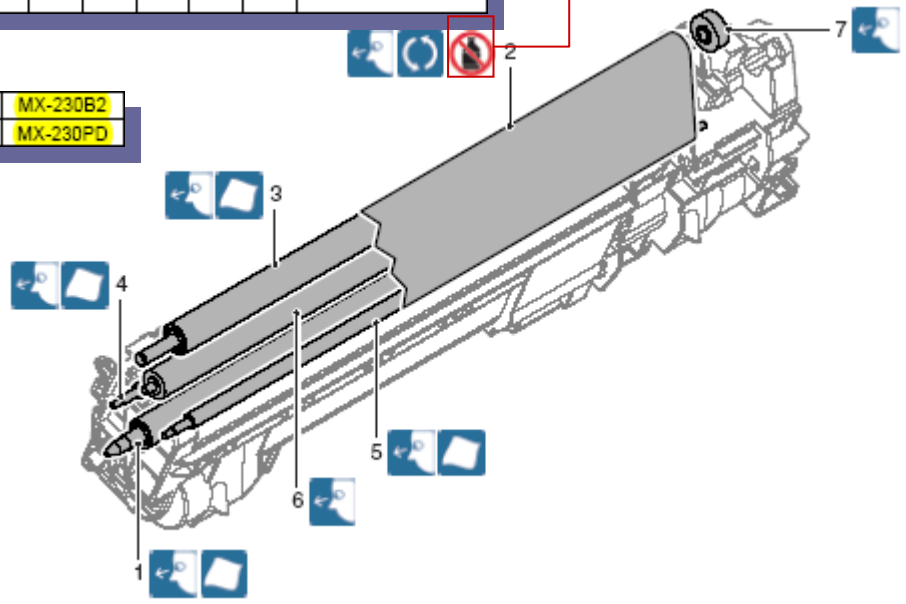

REAR SIDE
Lot number on belt surface must be facing towards the rear.
Insert intermediate transfer belt into transfer unit.
FRONT SIDE

Il telo di trasferimento primario ha una posizione predefinita distinguibile dal numero stampato al suo esterno che va posizionato al lato posteriore dell'unità

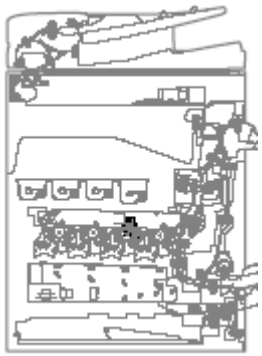
UNITA'TRASFERIMENTO SECONDARIO - MAINTENANCE

Unit name	Parts work sequence	Part name	When calling	60 K	100 K	120 K	180 K	200 K	240 K	300 K	360 K	400 K	500 K	600 K	Remark
Secondary transfer unit	1	Secondary transfer belt follower roller	×	–	○	–	–	○	–	○	–	○	○	○	
	2	Secondary transfer belt	×	–	×	–	–	×	–	▲	–	×	×	▲	Never use alcohol or solvents for cleaning.
	3	Secondary transfer belt drive roller	×	–	○	–	–	○	–	○	–	○	○	○	
	4	Secondary transfer backup roller	×	–	○	–	–	○	–	○	–	○	○	○	
	5	Secondary transfer belt tension roller	×	–	○	–	–	○	–	○	–	○	○	○	
	6	Secondary transfer roller	×	–	×	–	–	×	–	×	–	×	×	×	Replace as needed.
	7	Secondary transfer drive gear	×	–	×	–	–	×	–	×	–	×	×	×	Replace as needed.

Secondary transfer belt kit	Secondary transfer belt D3	x 1	300K	MX-230B2
PS paper dust removing unit	PS paper dust removing unit	x 1	100K	MX-230PD

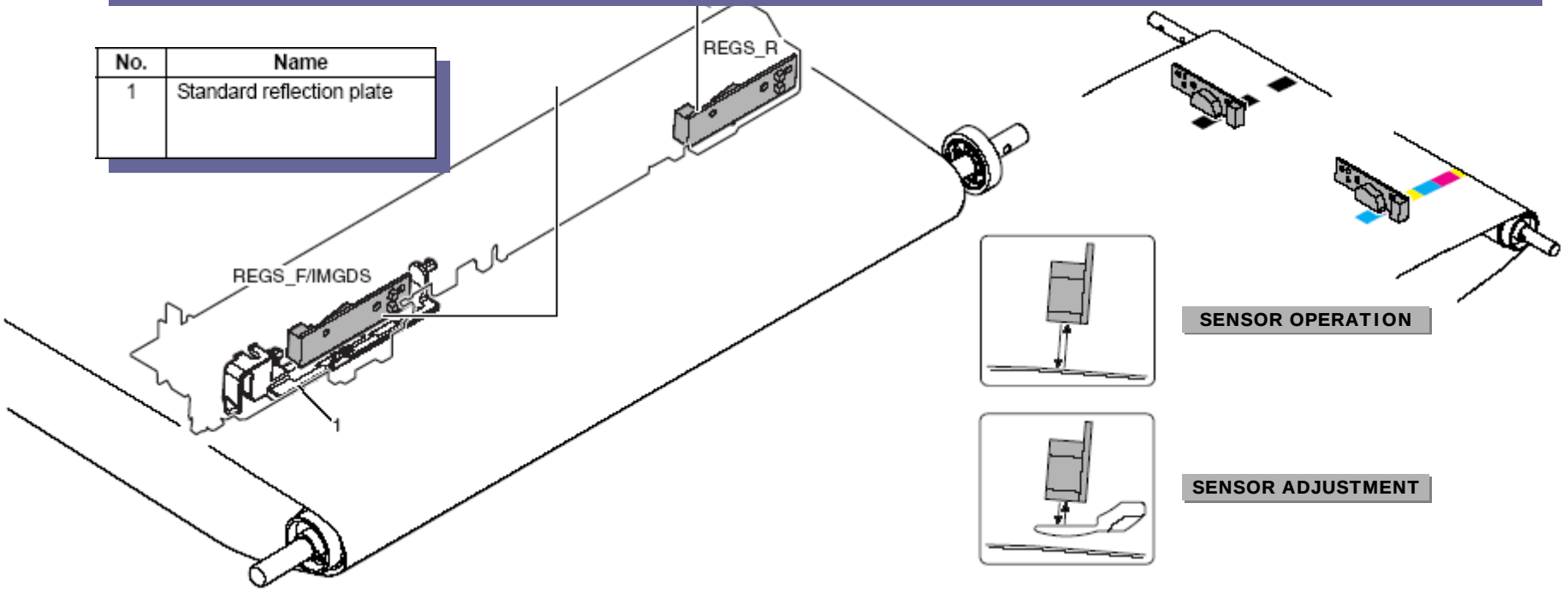


PROCESSO CONTROLLO

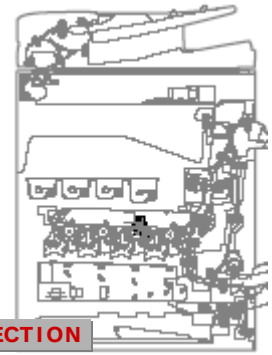


Signal name	Name	Function/Operation
REGS_F/IMGDS	Registration sensor F (Inmate density sensor)	Detects color shift. (F side) / Detects the toner patch density.
REGS_R	Registration sensor R (Inmate density sensor)	Detects color shift. (R side) / Detects the toner patch density.

No.	Name
1	Standard reflection plate



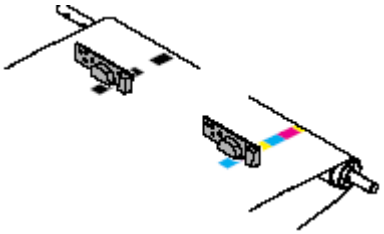
PROCESSO CONTROLLO



■ **High density process control operation:**

-Trasferimento secondario in FREE position

- REGS_R :legge le patch generate in nero
- REGS_F :legge le patch generate a colori
- SIM. 44-06 - (parte SIM 46-74)



ope_pho06_2.swf

HIGH DENSITY CORRECTION

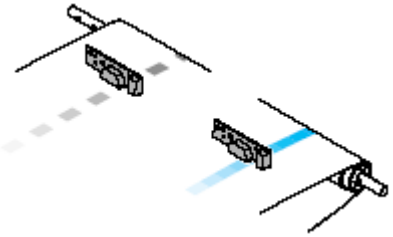
■ **Half tone process control operation:**

- Trasferimento secondario in FREE position

-REGS_R : legge le patch generate in nero

-REGS_F : legge le patch generate a colori

- SIM. 44-26 - (parte SIM 46-74)



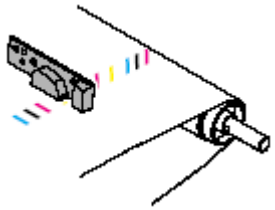
ope_pho06_6.swf

HALF TONE CORRECTION

■ **Automatic image registration adjustment:**

- Esegue auto regolazione fase e registro

-SIM. 50-22



ope_pho06_7.swf

AUTOMATIC IMAGE REGISTRATION ADJ.

■**Image density sensor sensitivity adjustment:**

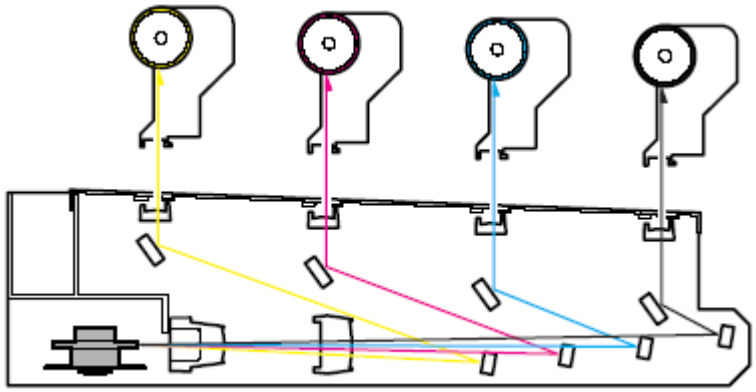
-Taratura sensibilità sensore di densità

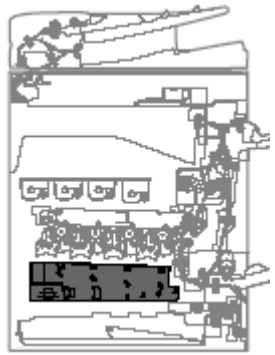
- SIM. 44-02

ope_pho06_1.swf

SENSOR ADJUSTMENT

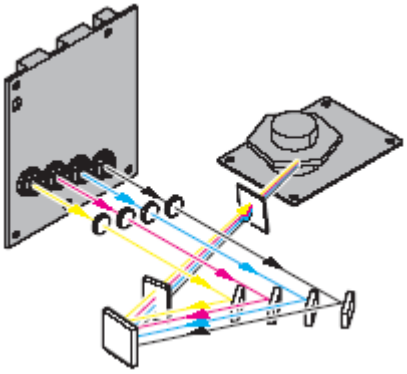
UNITA' LASER (LSU)

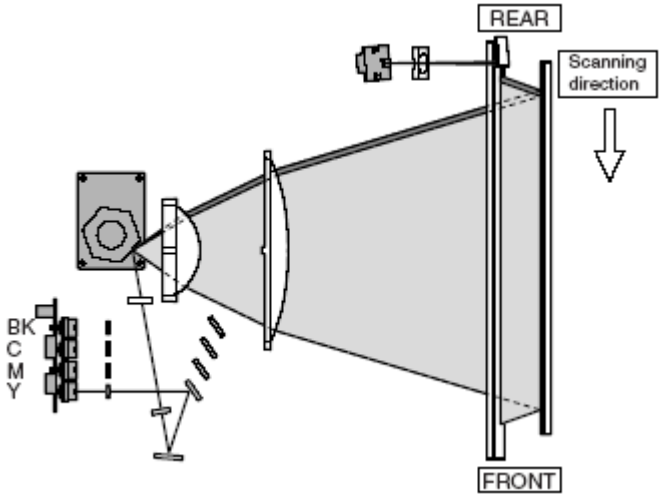


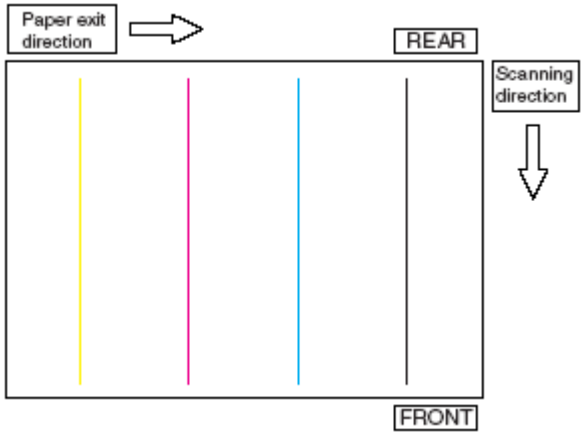


ope_lsu01.swf **LSU OPERATION**

ope_lsu02.swf **SHUTTER OPERATION**

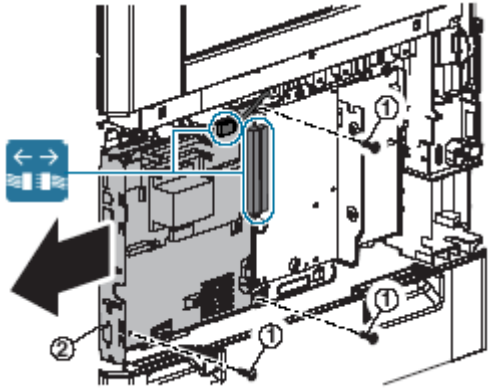


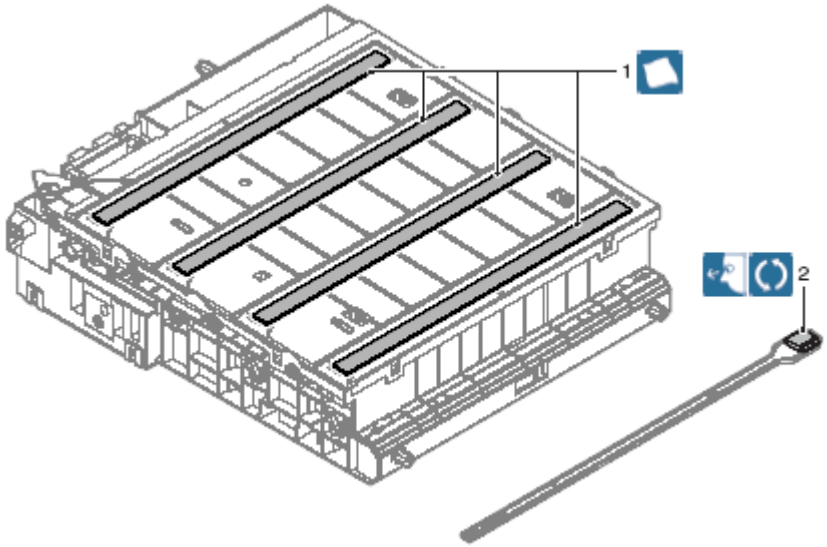


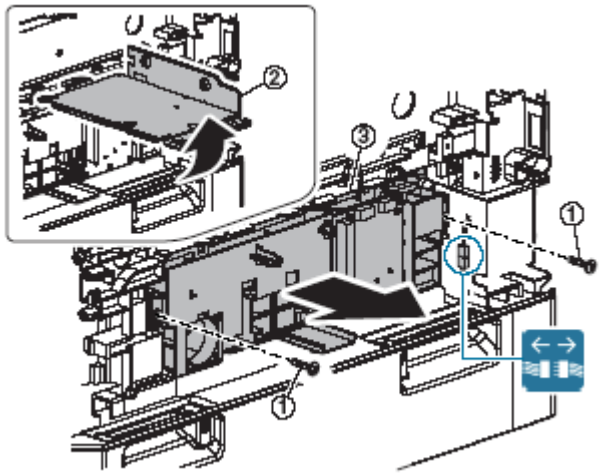


UNITA' LASER (LSU)-MAINTENANCE

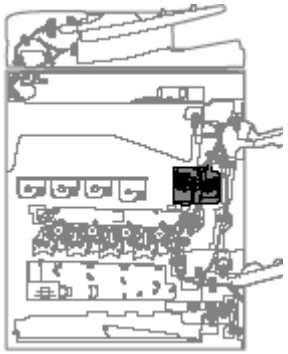
Parts work sequence	Part name	When calling	60 K	100 K	120 K	180 K	200 K	240 K	300 K	360 K	400 K	500 K	600 K	Remark
1	Dust-proof glass	○	–	○	–	–	○	×	○	–	○	○	○	Use the LSU cleaning rod.
2	Cleaning base	×	Replace every time the waste toner box is replaced.											Attached to the waste toner box. (2 pcs.) Replace when the waste toner box is replaced, or at 100K, or 2 years of use.





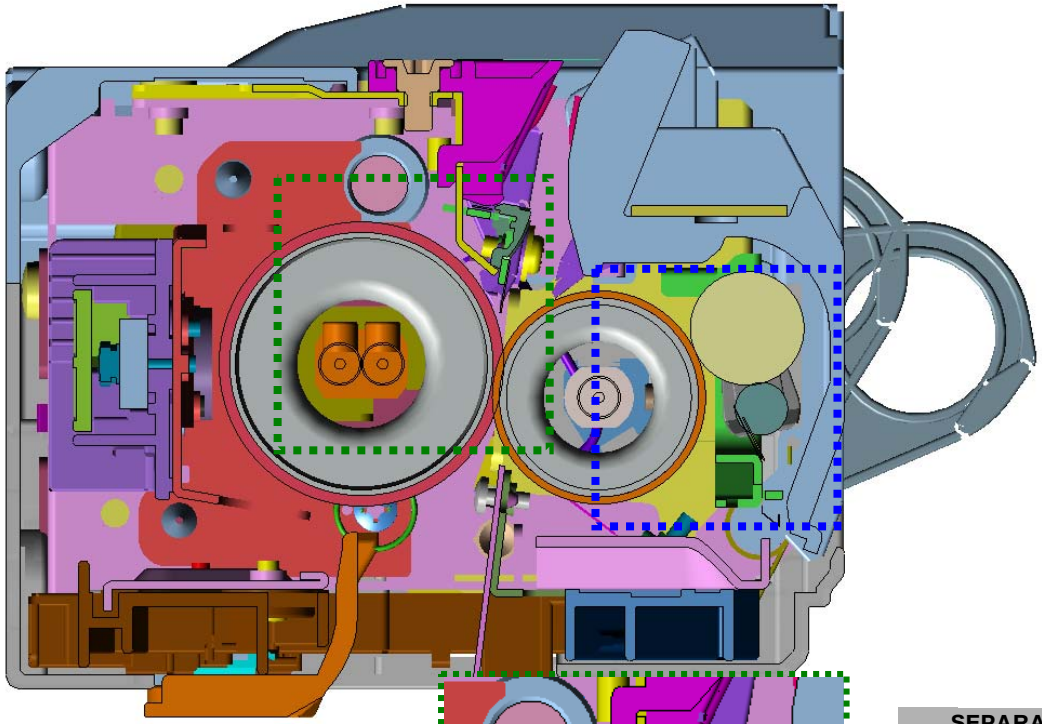


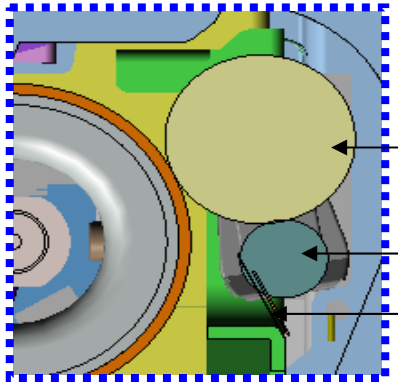
UNITA’ FUSIONE (MX-2010U)

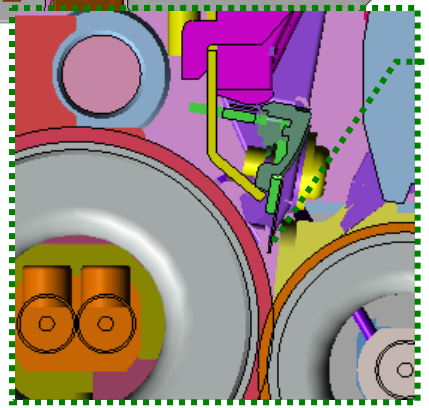


MX-200FU

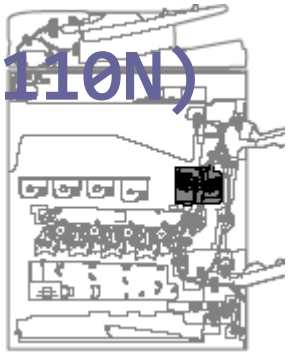
Le unità di fusione non sono intercambiabili







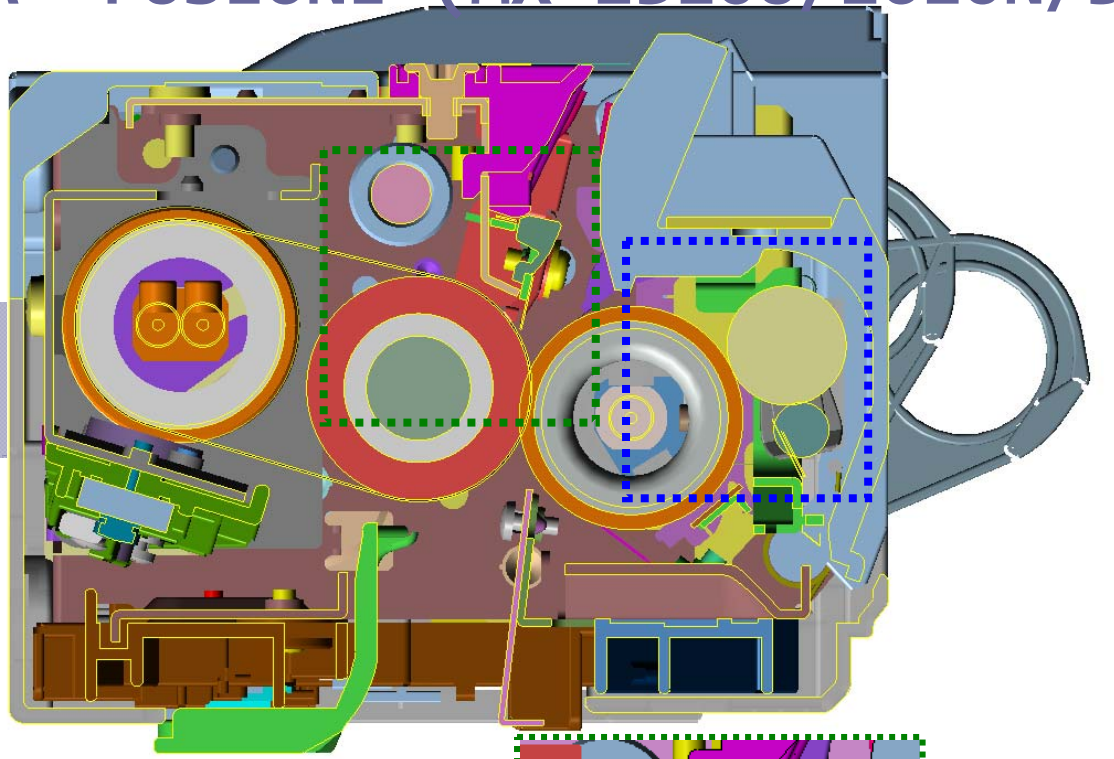
UNITA’ FUSIONE (MX-2310U/2610N/3110N)

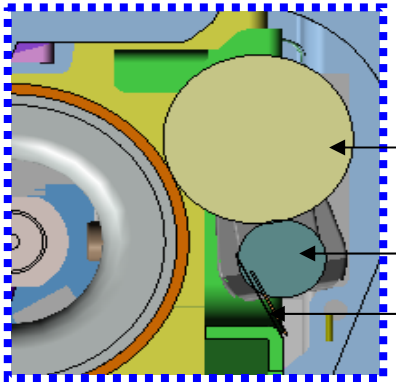


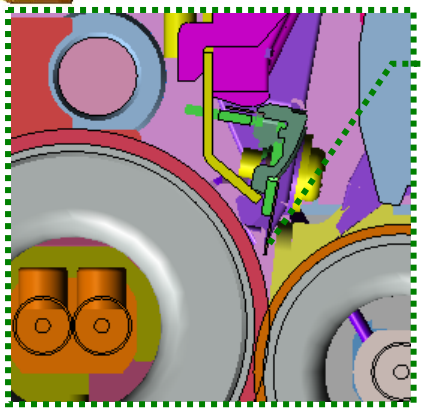
MX-230FU

MX-260FU

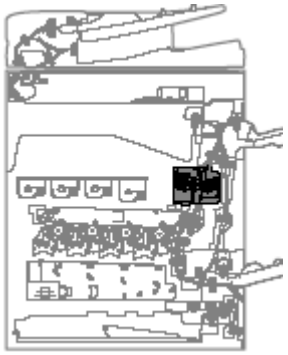
Le unità di fusione non sono intercambiabili





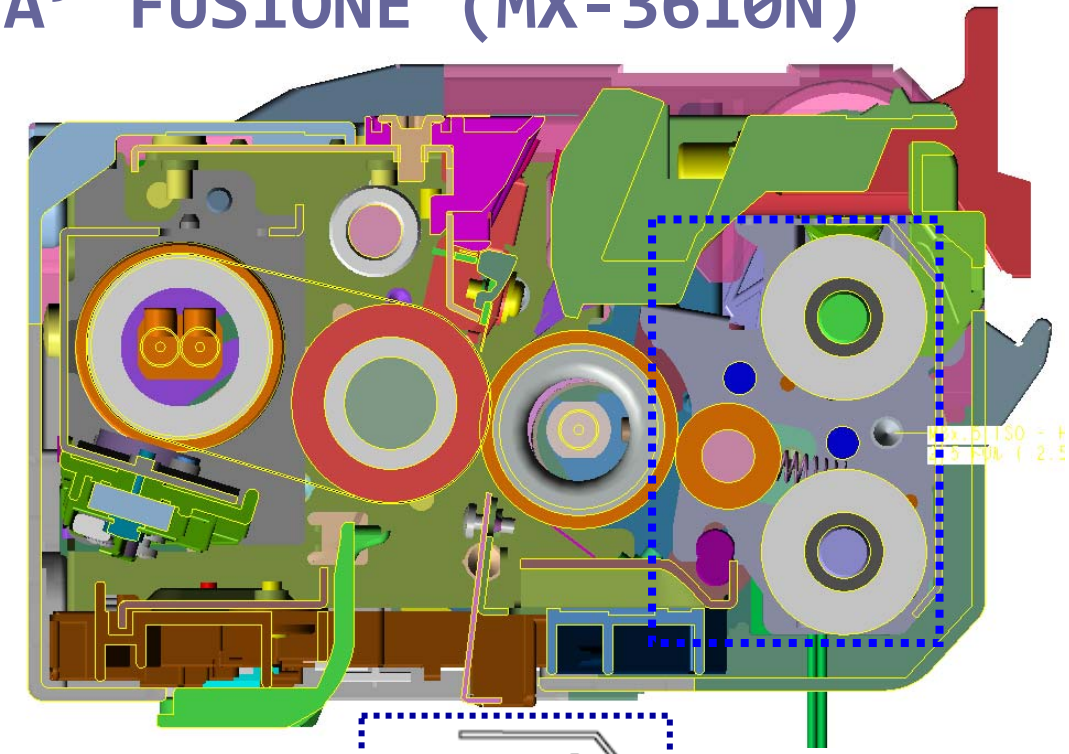


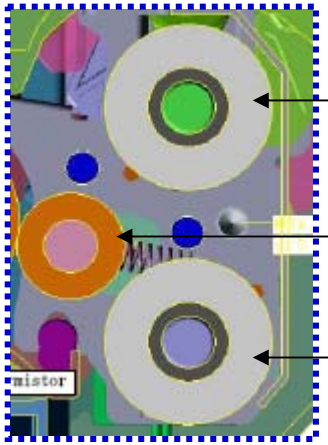
UNITA’ FUSIONE (MX-3610N)



MX-360FU

Le unità di fusione non sono intercambiabili

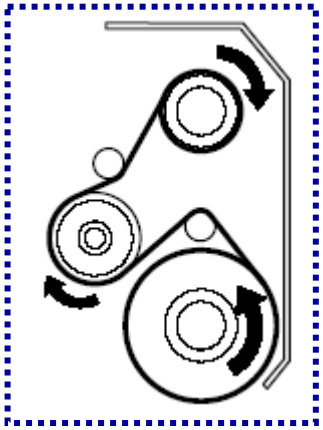




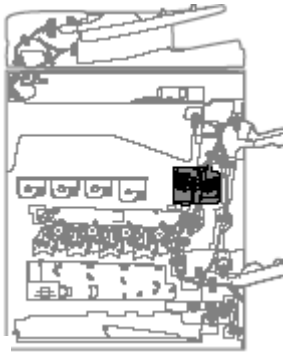
WEB WIND ROLLER

WEB TENSION ROLLER

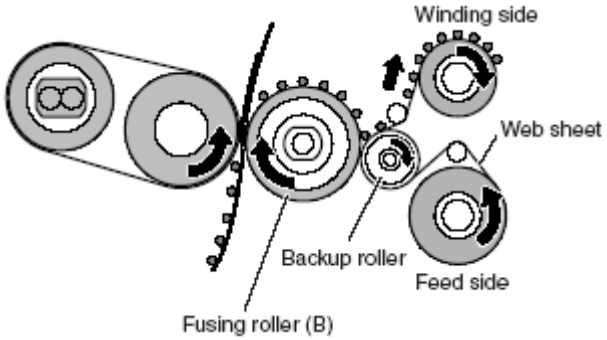
WEB DELIVERY ROLLER



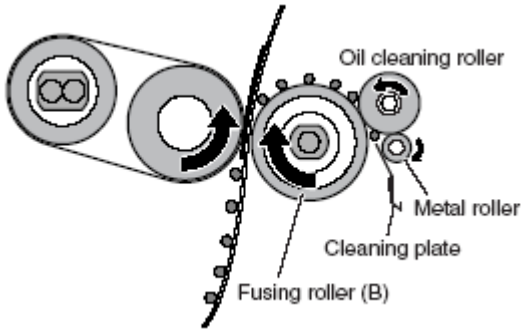
UNITA' FUSIONE : PULIZIA



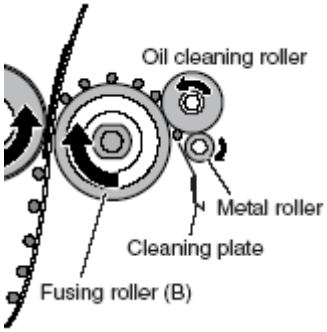
MX-3610N



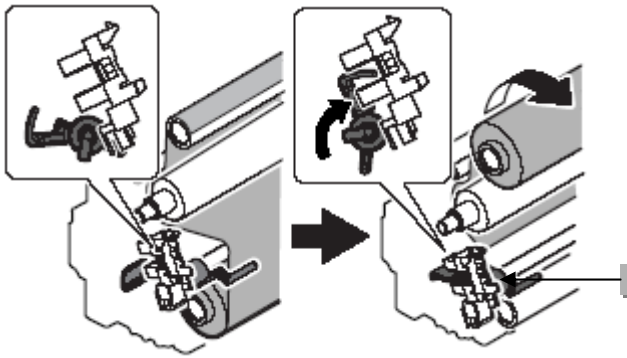
MX-2310U/3111U/2610N/3110N



MX-2010U



- Segnalazione FK3 (solo MX-3610N):
  - Compare a 120.000 e non inabilita funzionamento
  - Quando termina il telo web inabilita funzionamento

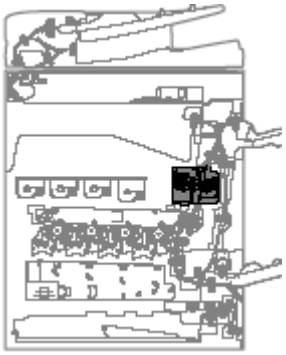


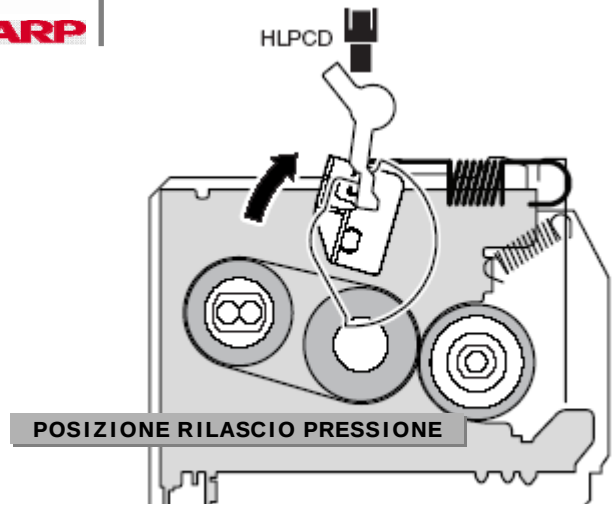
WEBEND

Web cleaning kit	MX-360WB	Web roller	x 1
		Web guide shaft	x 2
		Web pressure roller	x 1
		Web pressure roller bearing	x 2

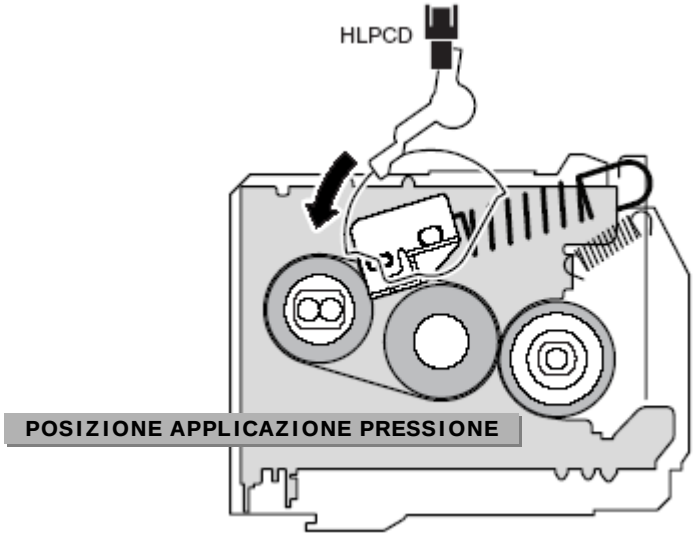
New parts / Parts code	Price rank	Q'ty	Parts name
CFRM-1486DS51	BN	1	Lower WEB unit

UNITA' FUSIONE : RILASCIO PRESSIONE



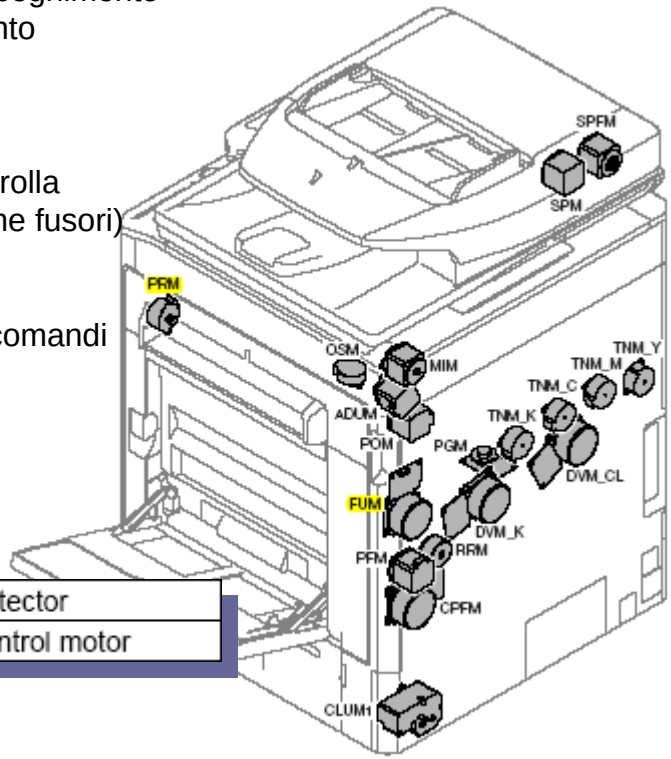


POSIZIONE RILASCIO PRESSIONE



POSIZIONE APPLICAZIONE PRESSIONE

- Rilascio pressione :
  - all'autospegnimento o allo spegnimento
  - all'entrata in pre-riscaldamento
  - dopo 20 minuti di inattività
  - utilizzando buste
- Codice di errore L4-16 (controlla funzionamento rilascio pressione fusori)
- Procedura di spegnimento:
  - tasto ON/OFF sul pannello comandi
  - aspettare almeno 10 sec.
  - tasto ON/OFF interno



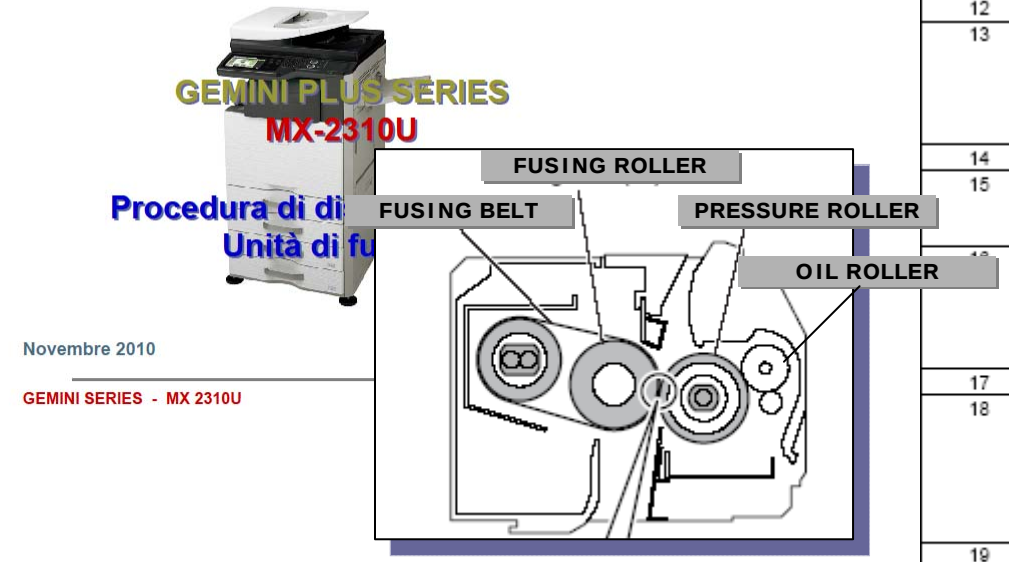
HLPCD	Fusing pressure detector
PRM	Fusing pressure control motor

ope_fus03.swf

PRESSURE RELEASE OPERATION

UNITA' FUSIONE - MAINTENANCE

Item	Model name	Content		Life
Fusing belt kit	MX-360FB	Fusing belt	x 1	200K
		Fuser belt guide collar	x 2	
Pressure roller kit	MX-230LH	Fusing roller	x 1	200K
		Pressure roller	x 1	
Fusing cleaning kit	MX-230CR	Lower oil roller	x 1	100K
		Lower CL roller	x 1	
		Lower CL roller bearing	x 2	
		Lower CL scraper	x 1	



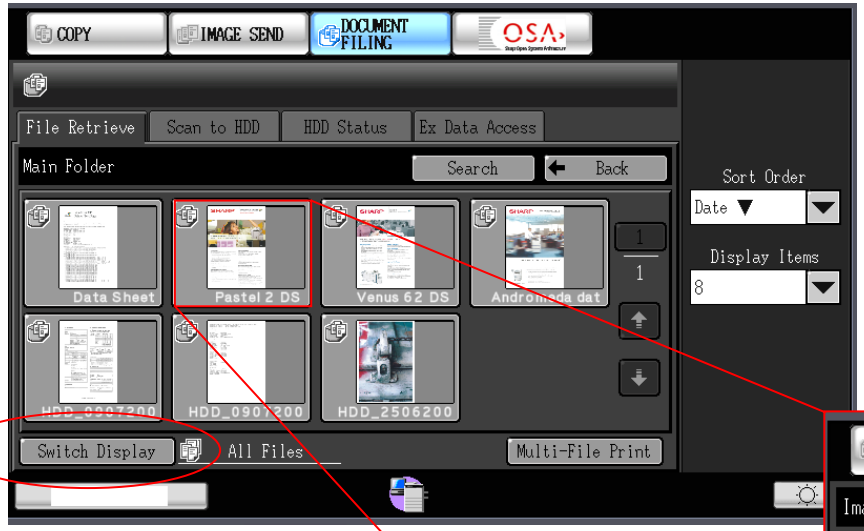
Novembre 2010

GEMINI SERIES - MX 2310U

Parts work sequence	Part name	When calling	60 K	100 K	120 K	180 K	200 K	Remark
1	Lower separation pawl	×	–	×	–	–	×	Replace as needed.
2	Lower separation pawl spring	×	–	×	–	–	×	
3	Separation plate	×	–	×	–	–	×	
	Oil applying roller	×	–	▲	–	–	▲	
	Backup roller	×	–	▲	–	–	▲	
	CL roller bearing	×	–	▲	–	–	▲	
	Lower thermistor	×	–	×	–	–	×	Replace as needed.
	Pressure roller gear	×	–	×	–	–	×	Replace as needed.
	Pressure roller bearing	×	–	×	–	–	×	Replace as needed.
	Pressure roller	×	–	×	–	–	▲	Apply grease to the shaft section when replacing. (JEF552) / After completion of replacement, clean the new pressure roller surface with alcohol. / Integrated with the fusing roller as a maintenance kit.
11	Sub thermistor	×	–	×	–	–	×	Replace as needed.
12	Fusing roller bearing	×	–	×	–	–	×	Replace as needed.
13	Heat-insulating bush	×	–	×	–	–	×	Replace as needed. / When replacing, apply grease to the inner ring section and the outer ring section. (JEF552)
14	Heating roller bearing	×	–	×	–	–	×	Replace as needed.
15	Fuser belt guide collar	×	–	▲	–	–	▲	Integrated with the fusing belt as a maintenance kit.
	Fusing roller	×	–	×	–	–	▲	Apply grease to the shaft section when replacing. (JEF552) / Integrated with the pressure roller as a maintenance kit.
17	Heating roller	×	–	×	–	–	×	Replace as needed.
18	Fusing belt	×	–	▲	–	–	▲	Integrated with the fuser belt guide collar as a maintenance kit. / When replacing, clean the fusing belt surface with alcohol.
19	Main thermistor	×	–	×	–	–	×	Replace as needed.
20	Paper guides	○	–	○	–	–	○	
21	Gears	×	–	×	–	–	×	Replace as needed.
22	Lower scraper assembly	×	–	▲	–	–	▲	

GEMINI SERIES - MX 2010U/2310U/3111U

ARCHIVIAZIONE (HDD)

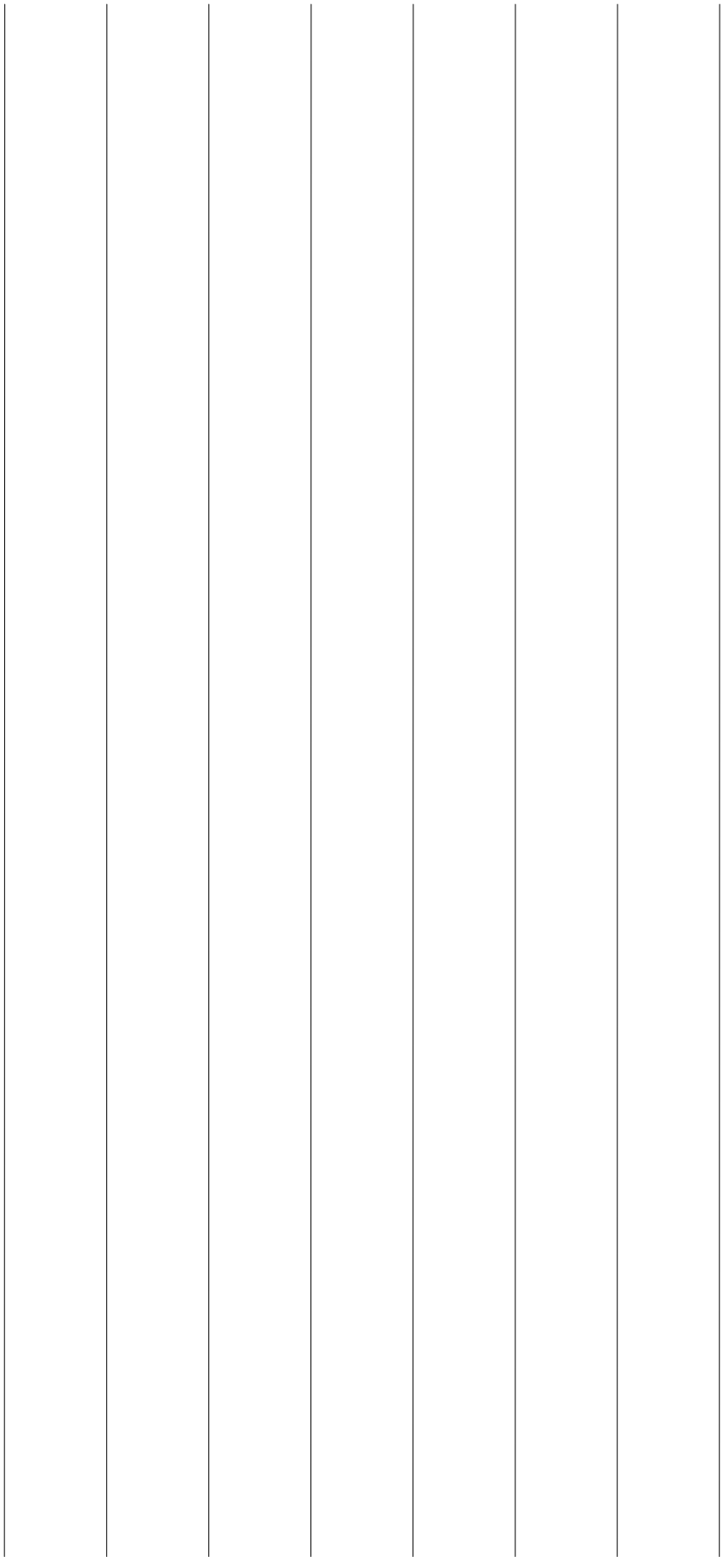


Nuovo disco da 160Gb

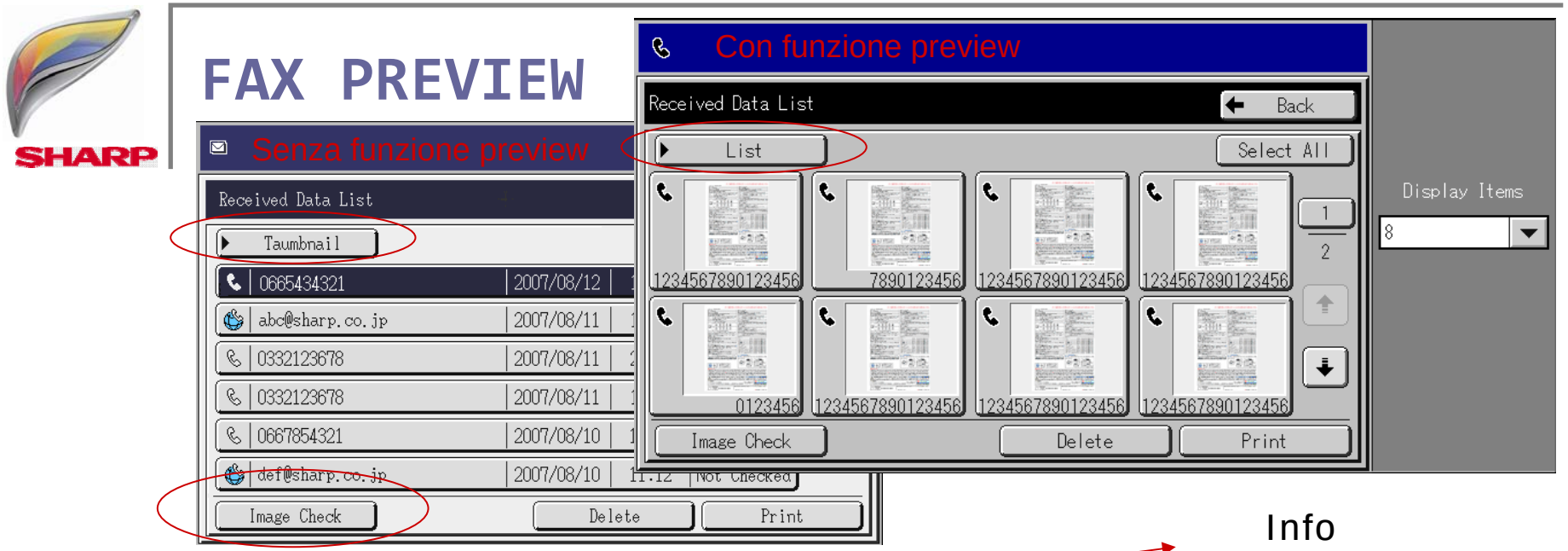
74Gb destinati ai documenti

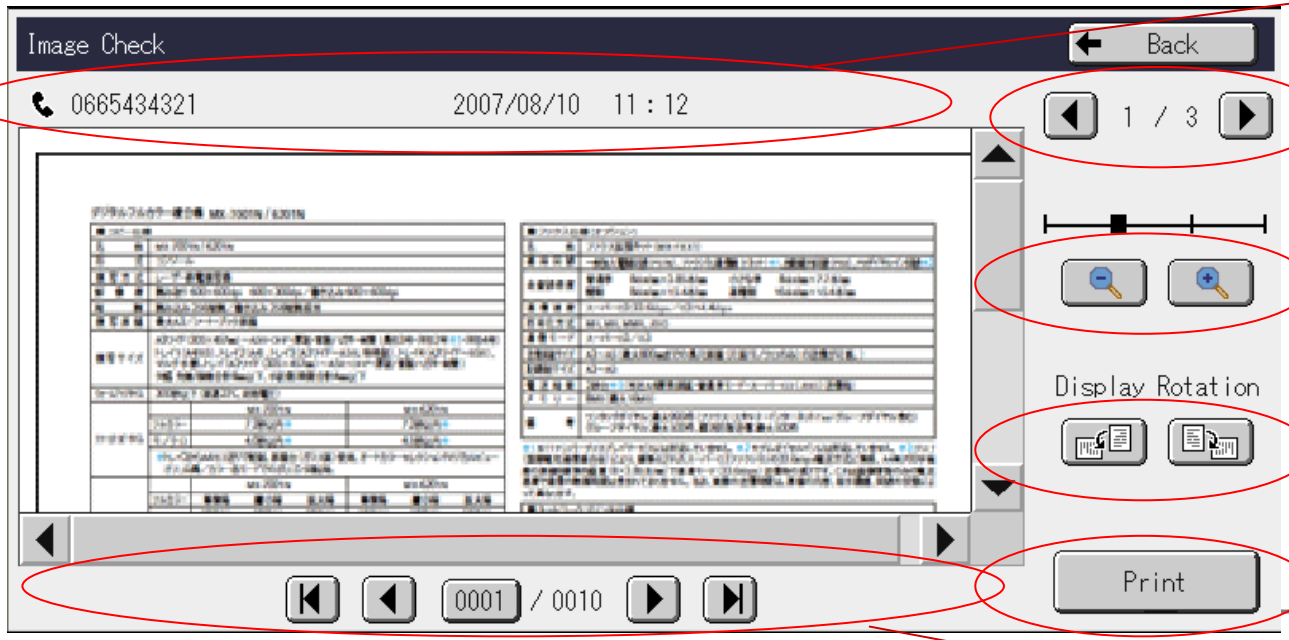
12Gb memoria temporanea

- Funzione PREVIEW :
  - Hard Disk richiesto
  - annulla gli errori di selezione file per stampa
  - permette il controllo dei fax ricevuti
  - permette il controllo dei file archiviati



FAX PREVIEW





Info trasmittente

Scorre doc. ricevuti

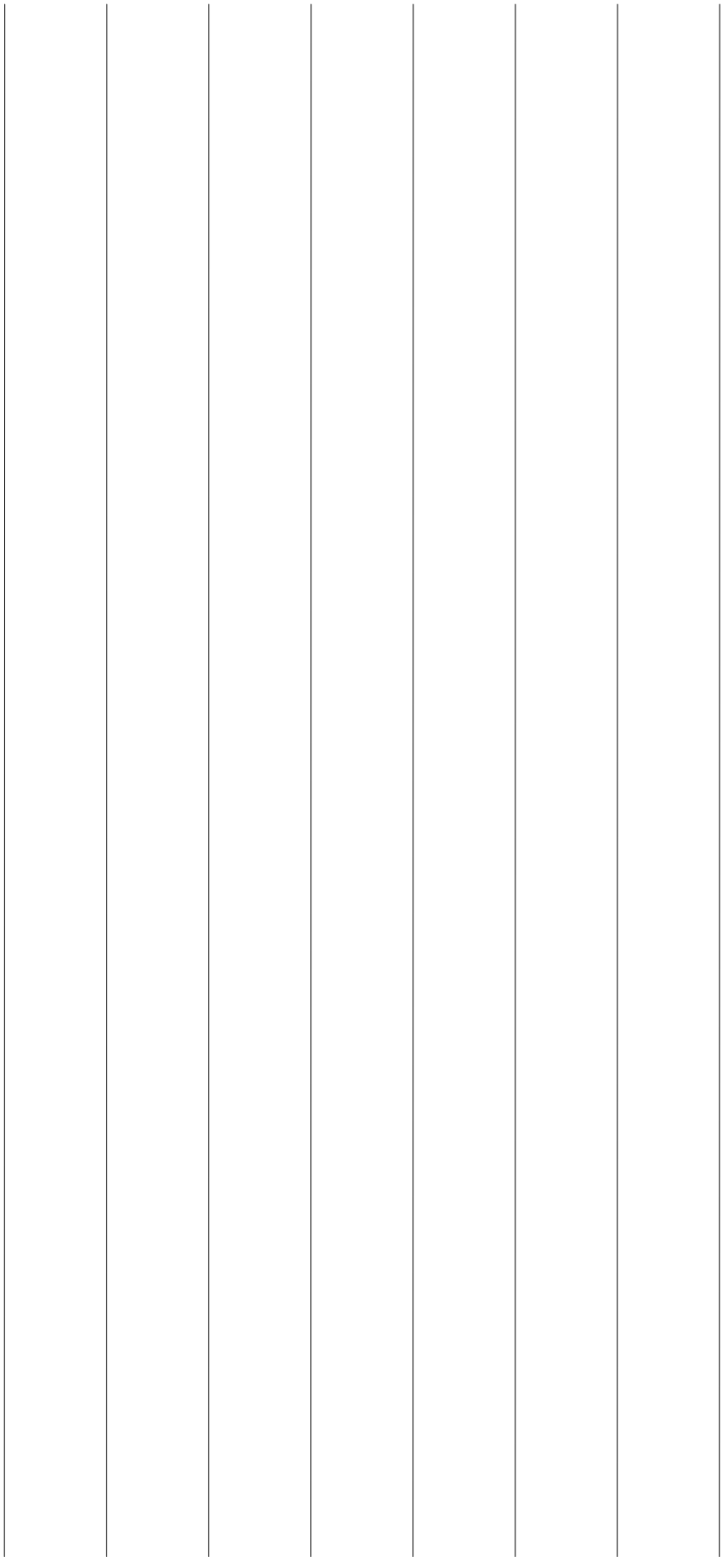
Zoom

Rotazione

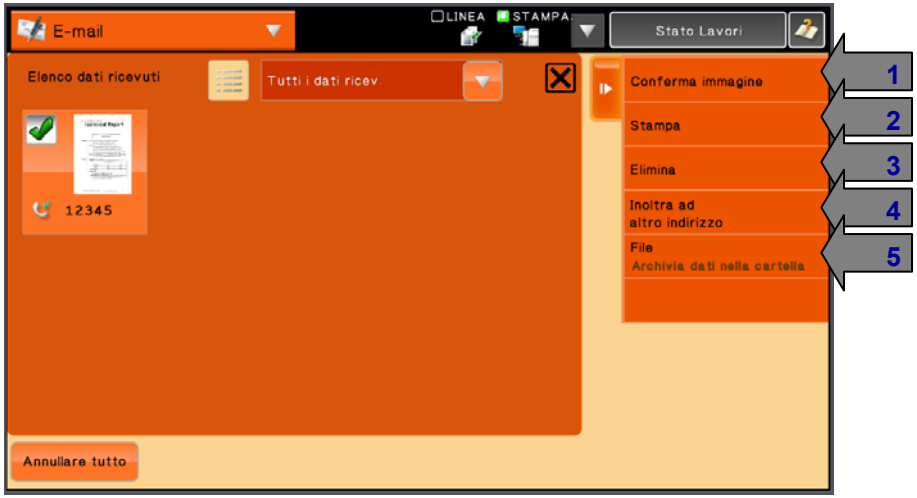
Stampa

pagine

GEMINI SERIES - MX 2010U/2310U/3111U **ARIES SERIES - MX-2610N / 3110N / 3610N**



FAX MX-FX11 – FAX PREVIEW



Viene visualizzata l'anteprima del fax ricevuto e la scelta per la gestione del documento:

1 – Verifica del documento ricevuto

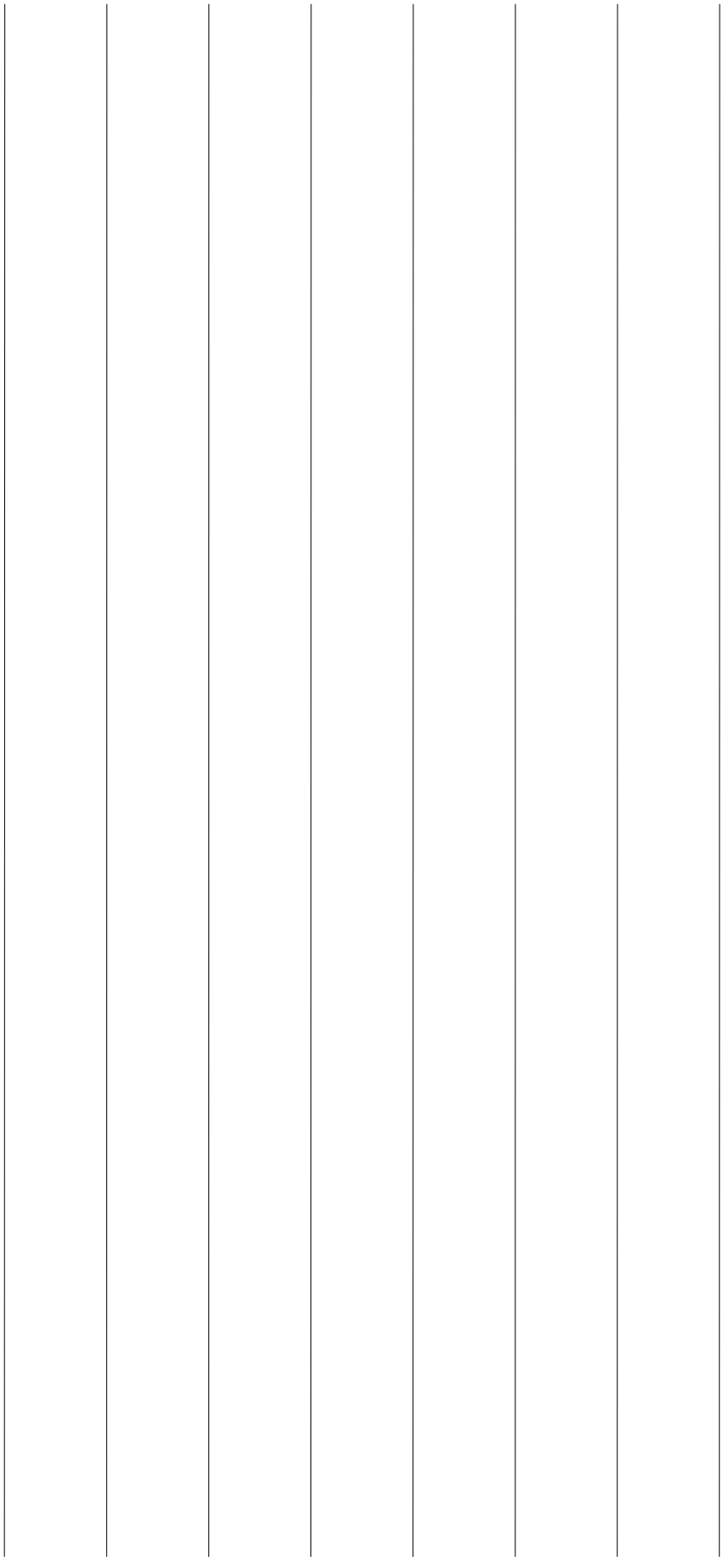
2 – Stampa

3 - Eliminazione

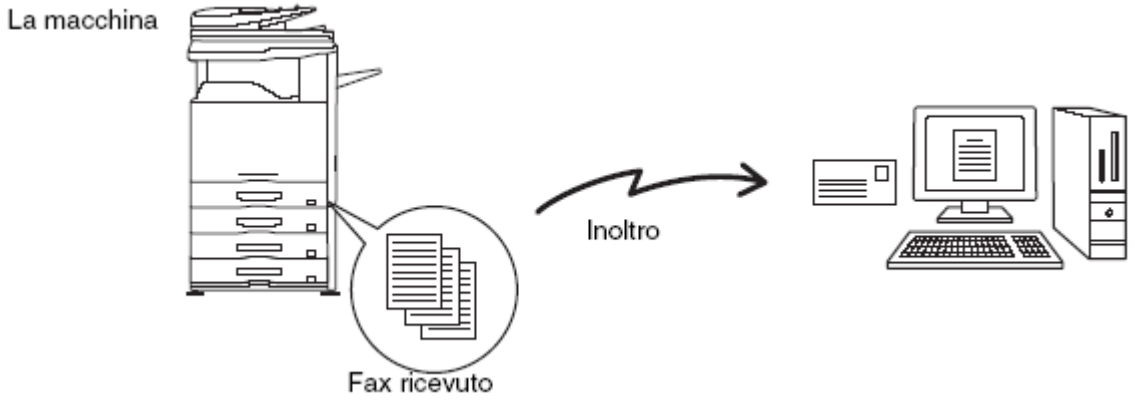
4 - Inoltro in rete a scopo archiviazione o a destinatario

5 - Archiviazione su HDD

- Menù administrator
- Impostazioni pannello operativo
- Impostazioni anteprima
- Flag su "Impostazioni verifica immagini ricevute"



FAX MX-FX11 – INOLTRO (Inboud routing)



Il fax in entrata viene inoltrato in rete (indipendentemente dalla stampa) per la gestione del documento:

1 – Come allegato di posta elettronica

2 – In una cartella condivisa di rete

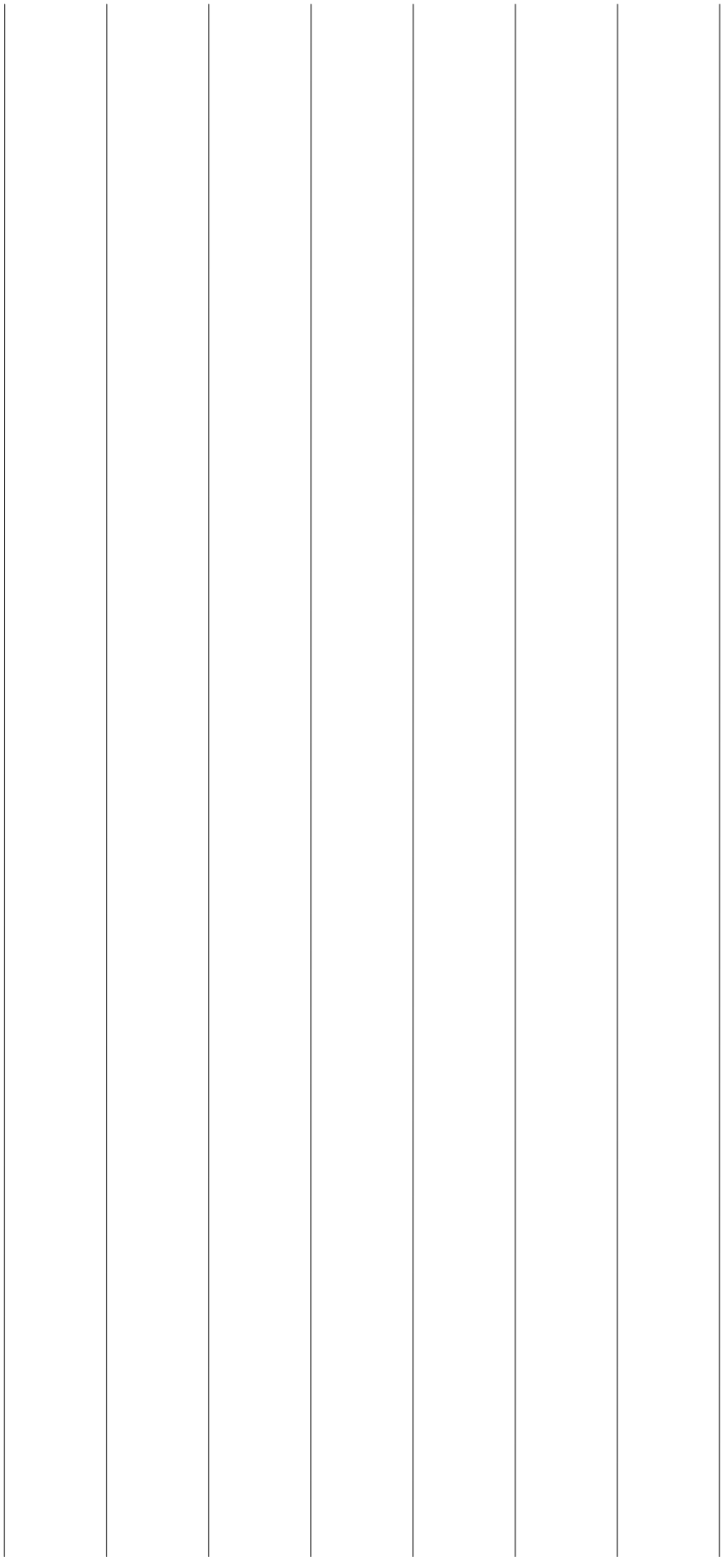
3 - Nella cartella Desktop di Sharpdesk

4 - Ad un altro fax

5 - A diverse destinazioni di inoltro (contemporaneamente o no)

6 - Con gestione degli orari

- **MX-2010U** : necessario MX-FX11 + HD10



FORMATTAZIONE (HDD)

*1: Physical format ("0" is written to the all area.)
*2: Logical format (Only the management area is initialized.)
*3: Nothing is done.

SIM. 62-01

Hard disk format

Partition	
ERDH work + Temporary storage	*1
Document filing data (Standard + User)	*1
FAX/Internet Fax reception data	*1
System storage data	*1
User data 1	*1
Application #1 (Job log data)	*1
Printer spooler	*1
Application work	*1
DSK data save	*1
Pre-install data (e-manual/ Watermark)	*3
Not used	*3

SIM. 62-08

Hard disk format (Excluding the system area)

Partition	
ERDH work + Temporary storage	*1
Document filing data (Standard + User)	*1
FAX/Internet Fax reception data	*1
System storage data	*3
User data 1	*1
Application #1 (Job log data)	*1
Printer spooler	*1
Application work	*1
DSK data save	*1
Pre-install data (e-manual/ Watermark)	*3
Not used	*3

SIM. 62-13

Hard disk format (Manual area only)

Partition	
ERDH work + Temporary storage	*3
Document filing data (Standard + User)	*3
FAX/Internet Fax reception data	*3
System storage data	*3
User data 1	*3
Application #1 (Job log data)	*3
Printer spooler	*3
Application work	*3
DSK data save	*3
Pre-install data (e-manual/ Watermark)	*2
Not used	*3

SIM. 66-10

FAX image memory clear

Partition	
ERDH work + Temporary storage	*3
Document filing data (Standard + User)	*3
FAX/Internet Fax reception data	*2
System storage data	*3
User data 1	*3
Application #1 (Job log data)	*3
Printer spooler	*3
Application work	*3
DSK data save	*3
Pre-install data (e-manual/ Watermark)	*3
Not used	*3

SIM. 62-10

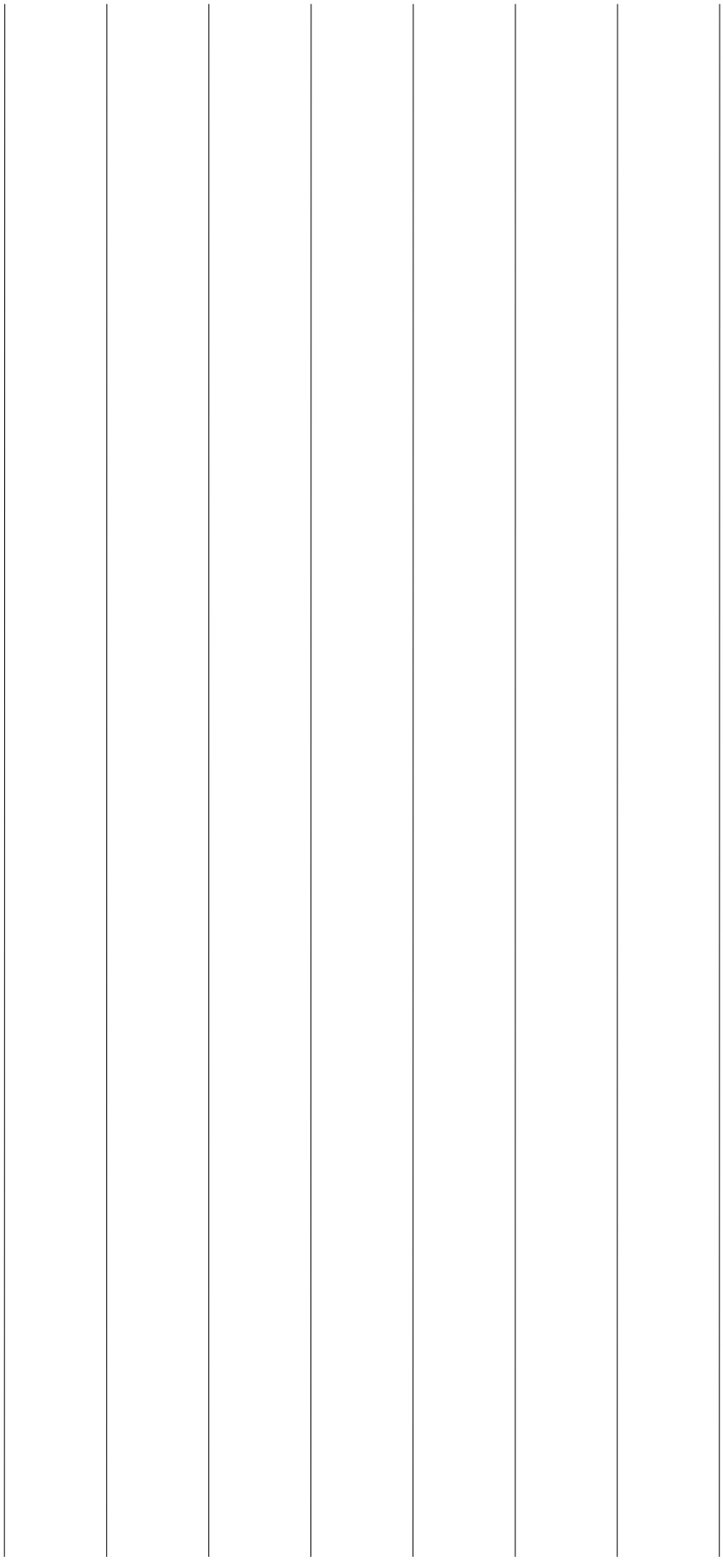
Job complete list (Job log data) delete

Partition	
ERDH work + Temporary storage	*3
Document filing data (Standard + User)	*3
FAX/Internet Fax reception data	*3
System storage data	*3
User data 1	*3
Application #1 (Job log data)	*2
Printer spooler	*3
Application work	*2
DSK data save	*3
Pre-install data (e-manual/ Watermark)	*3
Not used	*3

SIM. 62-11

Document filing data delete

Partition	
ERDH work + Temporary storage	*2
Document filing data (Standard + User)	*2
FAX/Internet Fax reception data	*3
System storage data	*3
User data 1	*3
Application #1 (Job log data)	*3
Printer spooler	*2
Application work	*3
DSK data save	*3
Pre-install data (e-manual/ Watermark)	*3
Not used	*3



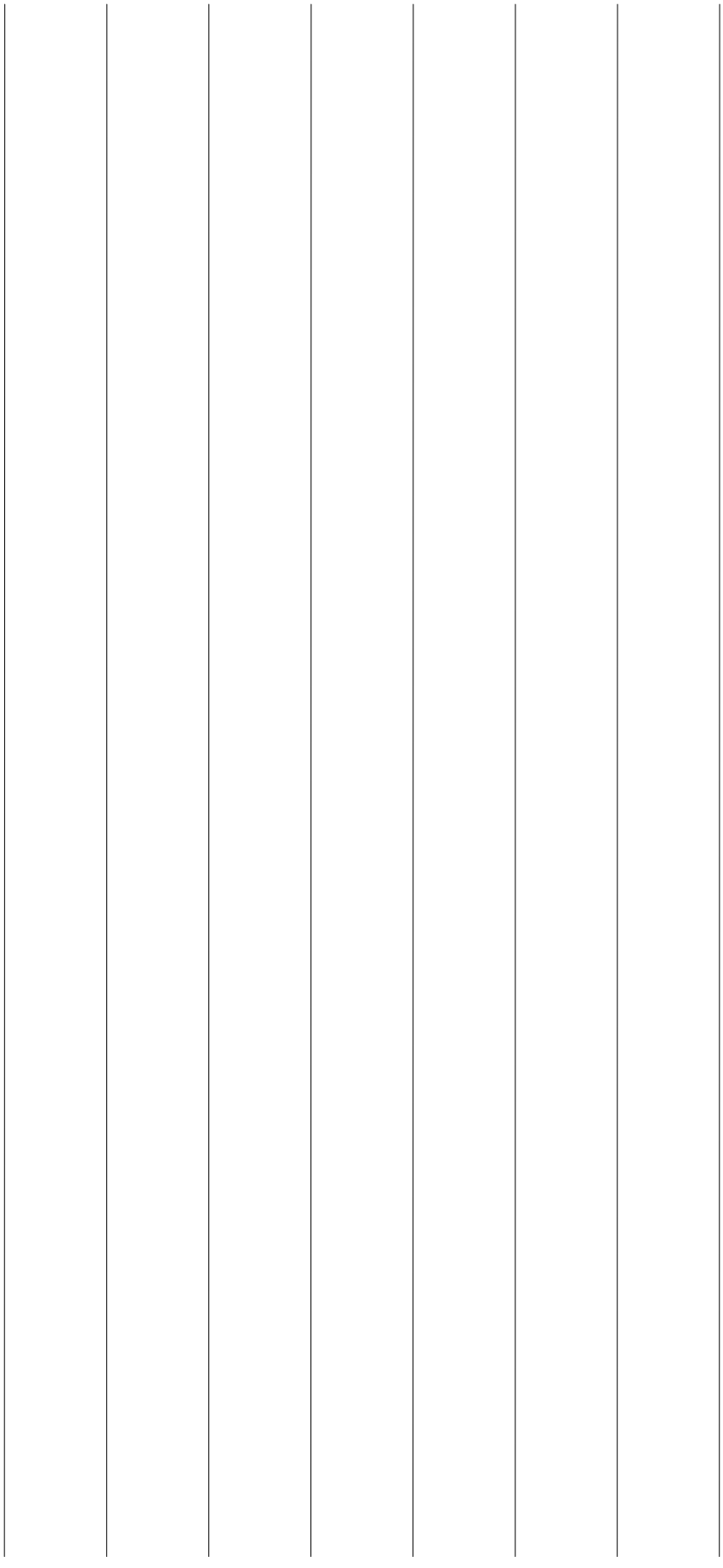
(HDD) PROCEDURA SOSTITUZIONE

- Utilizzando HDD (no service part)
- Utilizzando HDD prelevato da altro modello
- Utilizzando HDD (service part)

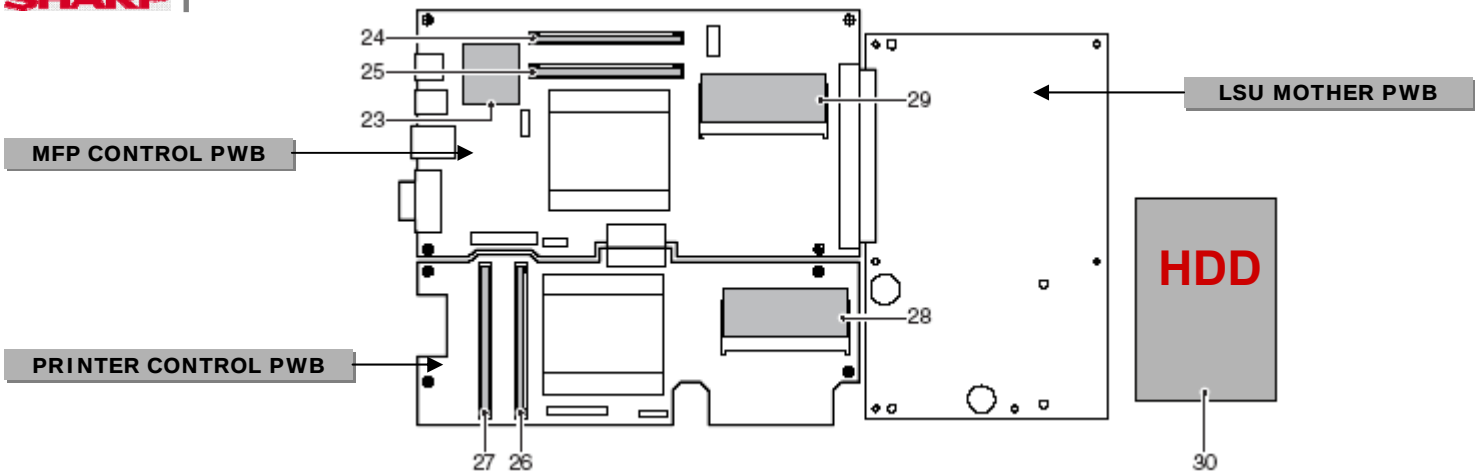
Procedures	When a new HDD (blank HDD, service part) is used, or when a HDD which is normal but a program error occurs in it is used.	When a used HDD (used in the same model) is used *
Step 1	Install a HDD to the machine, and boot the complex machine. → Formatting is automatically performed.	Install a HDD to the machine, and boot the complex machine.
Step 2		The trouble code, U2-05, is displayed. → Cancel with SIM16.
Step 3	Since a blank HDD is automatically formatted, there is no need to perform formatting procedure with SIM.	Use Sim62-1 to format the HDD.
Step 4	When there are some FAX or Internet Fax data, use SIM66-62 to backup the image data from the SD card to the USB memory. (The backup image data are of PDF file type, and cannot be restored to the machine. The backup data are given to the user.)	
Step 5	Use SIM66-10 to clear the FAX image memory. The memory is cleared in order to keep compliance between the HDD data and the image related memory and to prevent malfunctions. (The memory must be cleared not only in the FAX model but in the scanner and the Internet Fax models.)	
Step 6	Use SIM49-3 to install the manual data to the HDD.	
Step 7	The trouble code, U2-60, is displayed. → Use SIM49-5 to install the watermark data to the HDD. → After booting the machine, use SIM16 to cancel the "U2-60" trouble.	

49-5	
Purpose	
Function (Purpose)	Used to perform the watermark update.
Section	

49-3	
Purpose	
Function (Purpose)	Used to update the operation manual in the HDD.
Section	



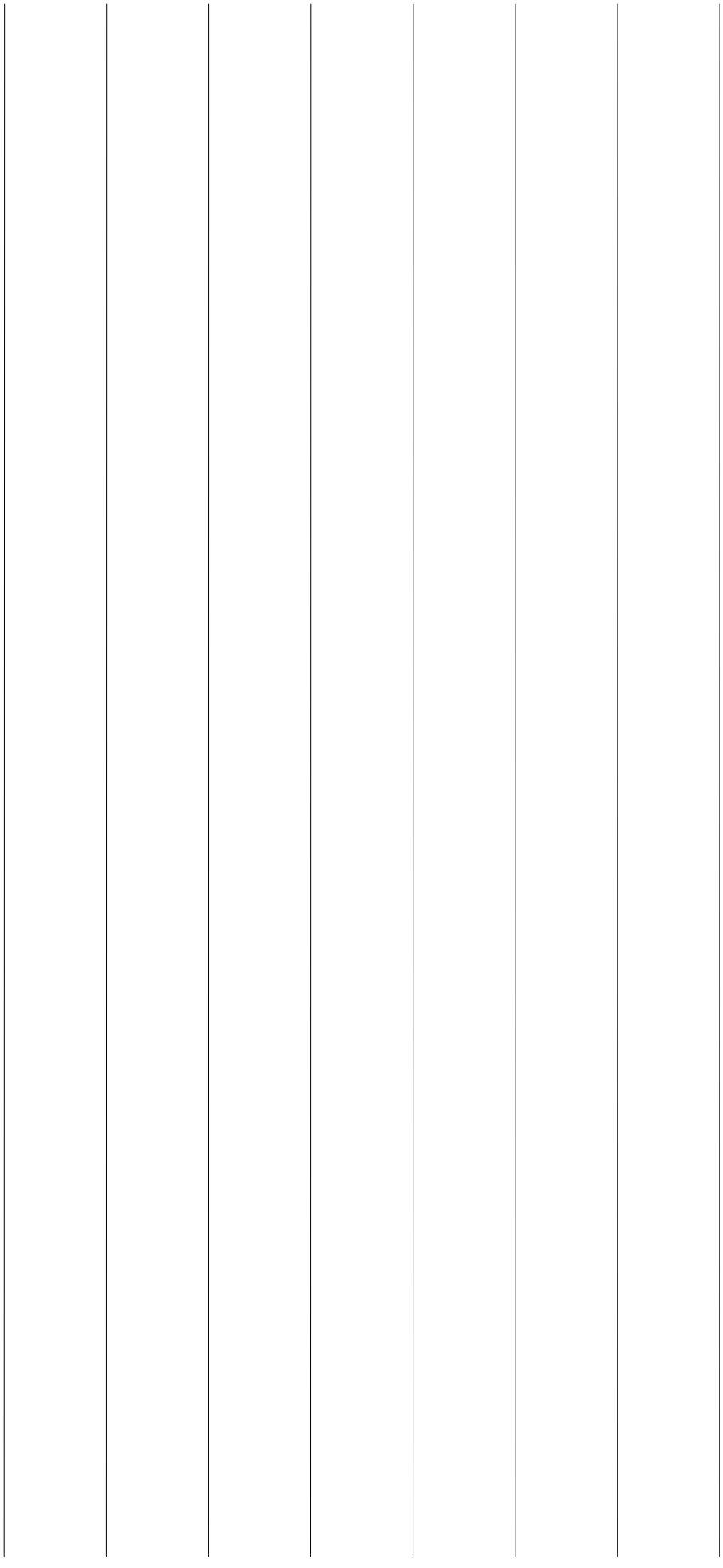
FLASH ROM (GEMINI)



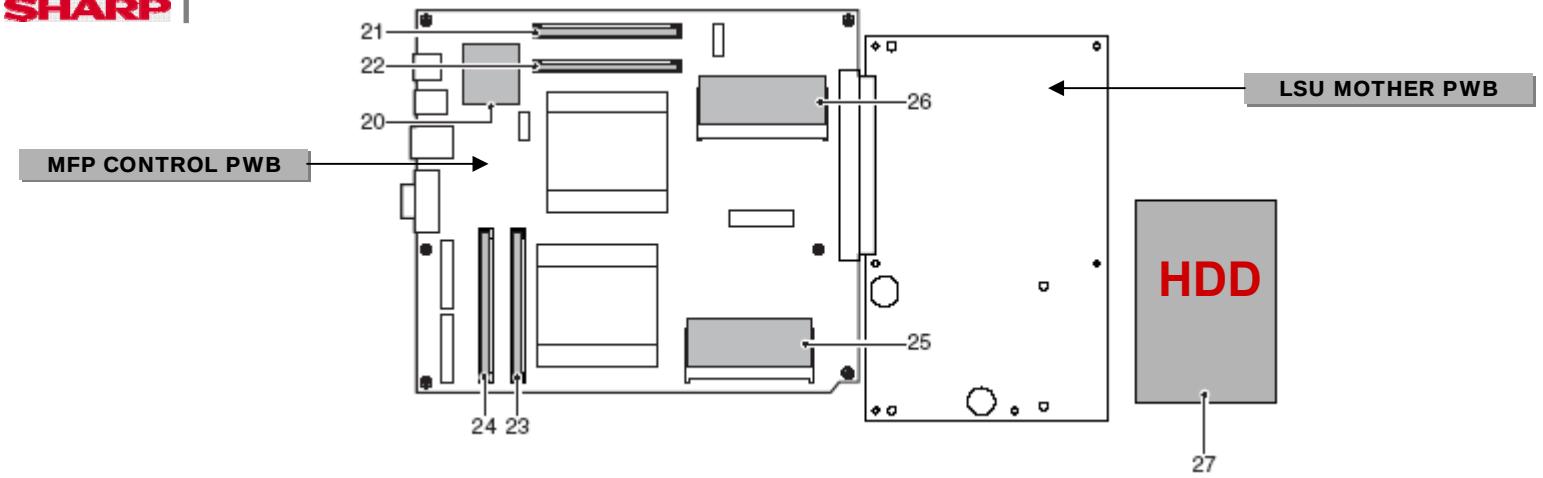
No.	Name	Function/Operation
23	SD card memory	Stores the MFP PWB program data, the FAX image data, and the font data.
24	DIMM memory 1	Image memory for the MFP PWB
25	DIMM memory 2	Not used.
26	DIMM memory 3	Memory for the printer
27	DIMM memory 4	Memory for the XPS printer
28	Printer Flash memory	Stores the printer program data.
29	DSK Flash memory	Stores the DSK program data.
30	HDD	Stores the MFP PWB program data, the filing data, the e-manual data, the watermark data, the log data, and the authentication data. Also used as a work memory.

SD card	MFP control PWB	Printer control PWB*1		HDD*2
	SLOT1	SLOT3	SLOT4	
4GB	1GB (STD)	512MB (STD)	1GB (OPT)	160GB (STD)

Memory area (SD card)	Boot/Program area
	FAX data storage area 1GB



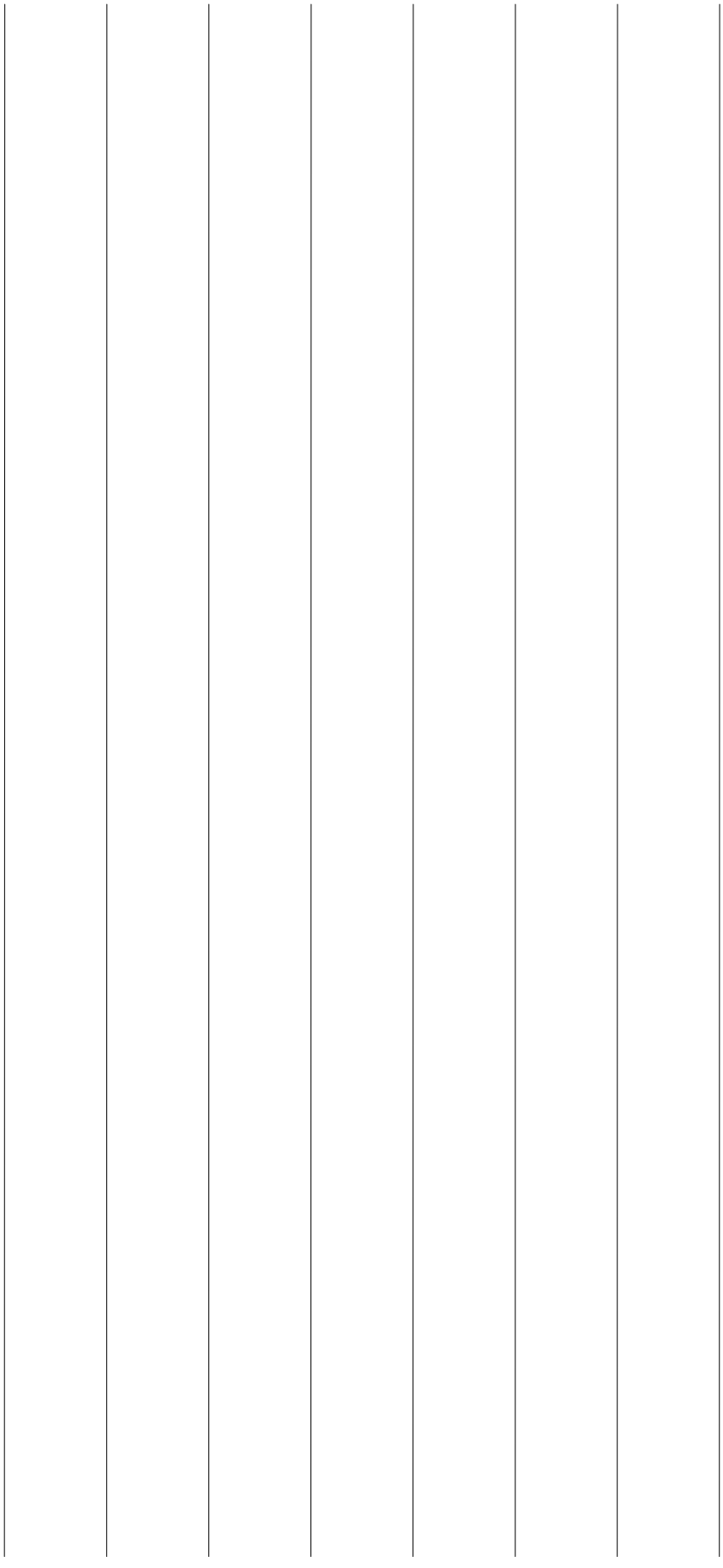
FLASH ROM (ARIES)



No.	Name	Function/Operation
20	SD card memory	Stores the MFP PWB program data, the FAX image data, and the font data.
21	DIMM memory 1	Image memory for the MFP PWB
22	DIMM memory 2	Not used.
23	DIMM memory 3	Memory for the printer
24	DIMM memory 4	Memory for the XPS printer
25	Printer Flash memory	Stores the printer program data.
26	DSK Flash memory	Stores the DSK program data.
27	HDD	Stores the MFP PWB program data, the filing data, the e-manual data, the watermark data, the log data, and the authentication data. Also used as a work memory.

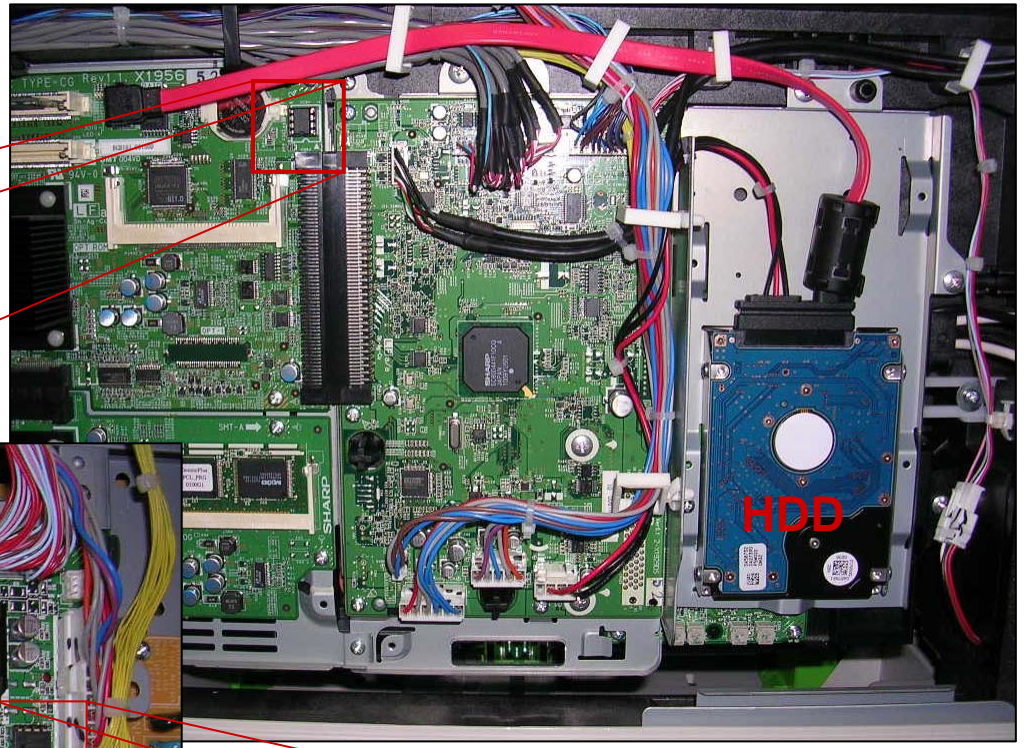
SD card	MFP control PWB	Printer control PWB		HDD*1
	SLOT1	SLOT3	SLOT4	
4GB	2GB (STD)	1GB (STD)	1GB (OPT)*2	160GB (STD)

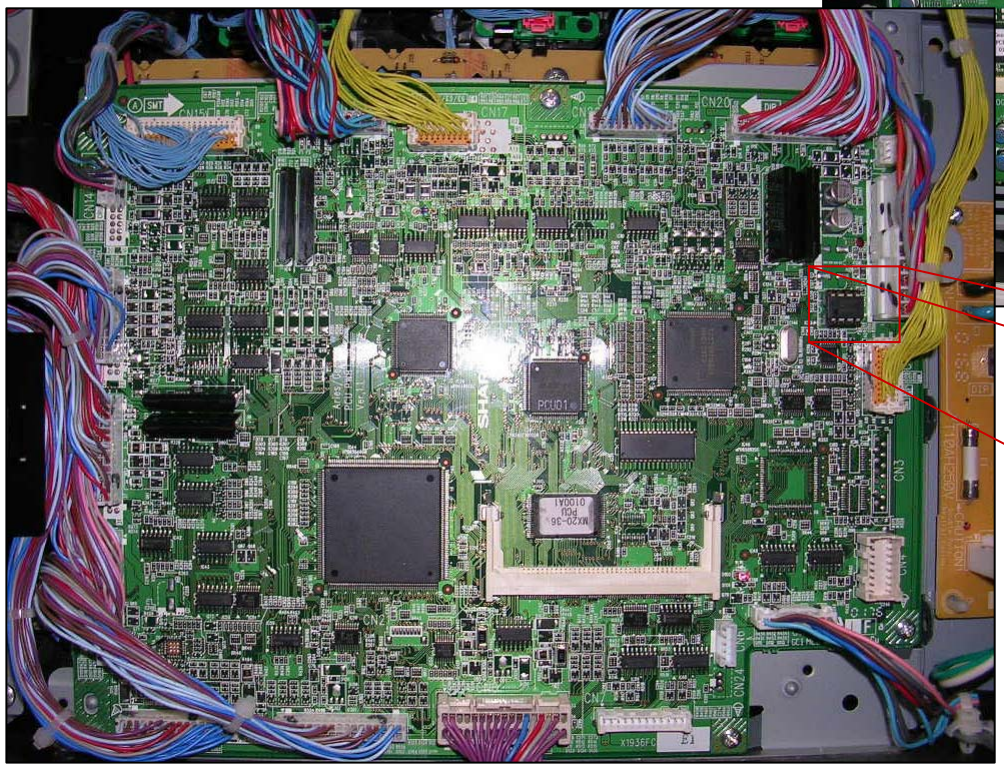
Memory area (SD card)	Boot/Program area
	FAX data storage area 1GB



EEPROM

EEPROM MFP PWB

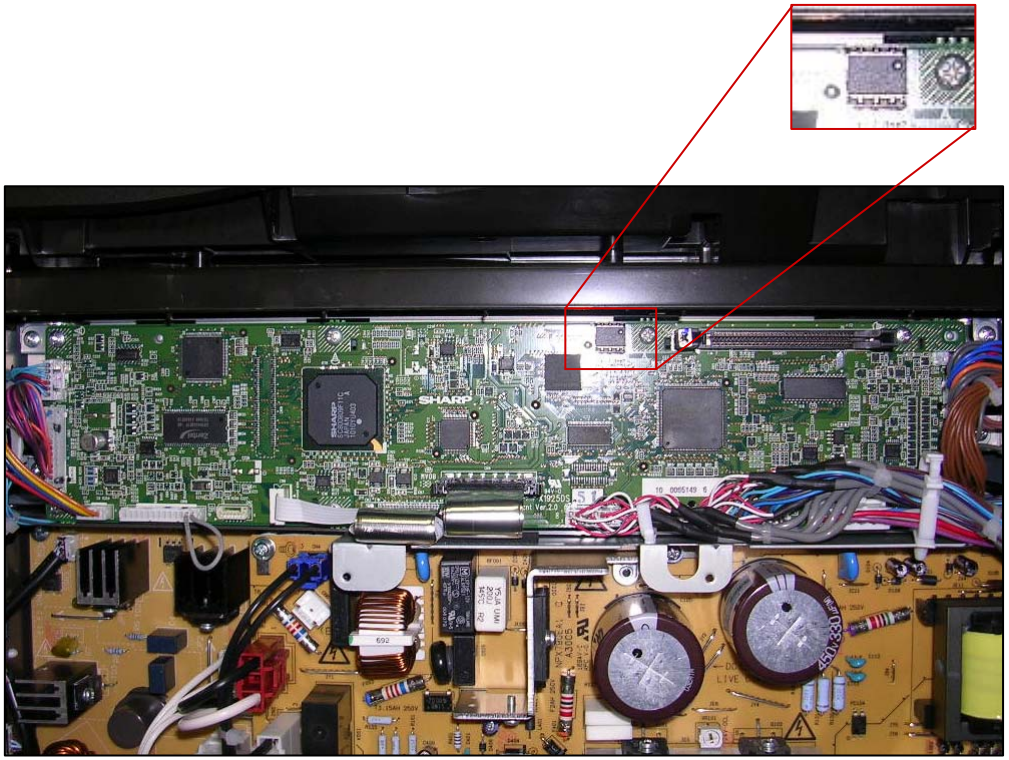




EEPROM PCU PWB

EEPROM

EEPROM SCU PWB



- EEPROMs:

Nel caso di sostituzione schede MFP, PCU ,SCN, conservare le eeprom tolte dalla scheda guasta per utilizzarle sulla scheda nuova.
Nella eeprom è scritto il numero di matricola della macchina e, se viene utilizzata la eeprom che arriva con la scheda nuova, compare il codice di errore U2-30.

- EEPROM guasta:

Quella nuova non può essere utilizzata al posto di quella guasta (codice U2-30).
Contattare il supporto tecnico dato che la nuova eeprom va riprogrammata.

SALVATAGGI

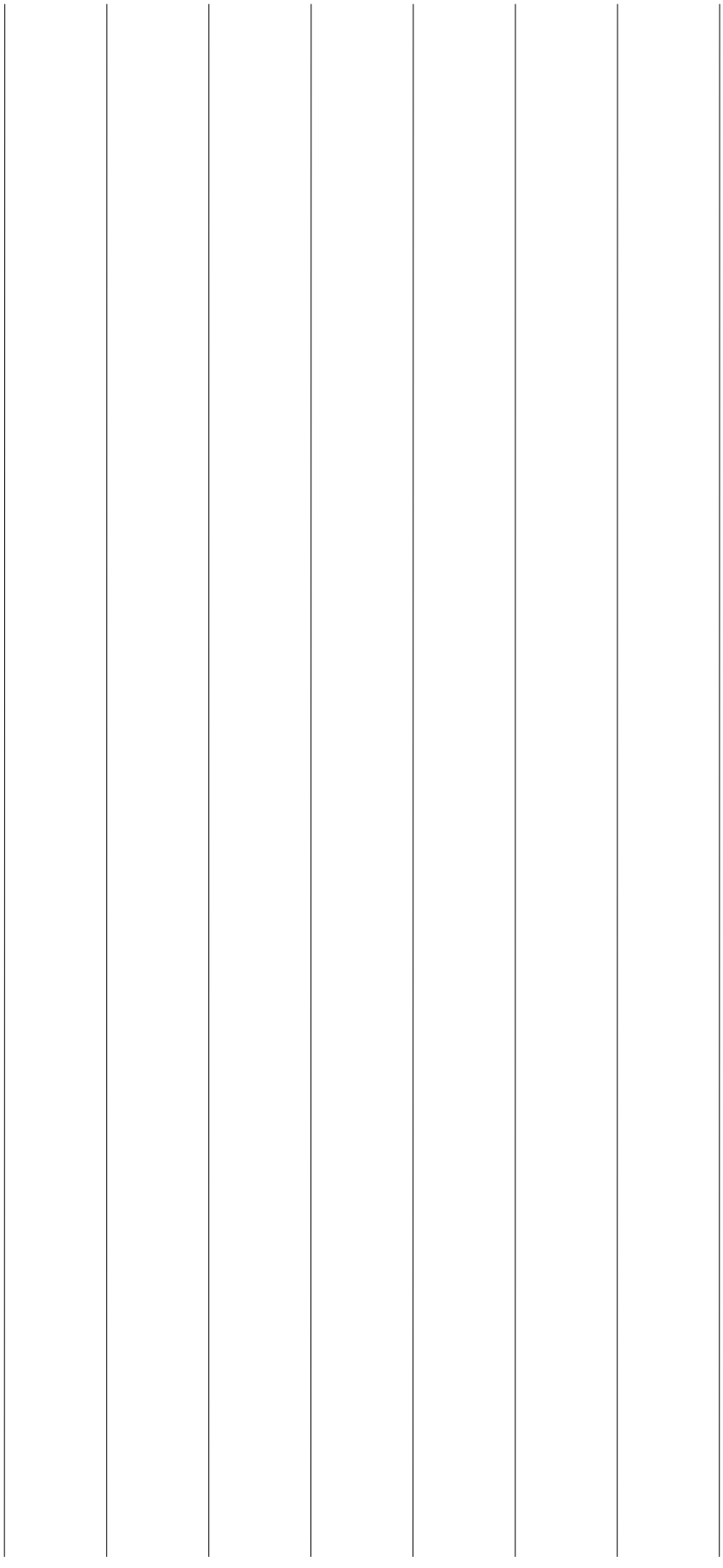
56-1	
Purpose	Backup
Function (Purpose)	Used to transport data between HDD - MFP PWB SRAM/EEPROM. (Used to repair the PWB.)

56-01 Salva su HDD tutte le impostazioni comprese:
- impostazioni scheda rete
- impostazioni di sistema
- impostazioni MFP
- Jam history
- Trouble history
- valori contatori totali

56-01 Parametri non alterabili con procedura Import
- valori contatori cassetti carta + ADU
- valori contatori manutenzione
- valori contatori consumabili
- matricola MFP

EEPROM → HDD	Transfer from EEPROM to HDD
HDD → EEPROM	Transfer from HDD to EEPROM

HDD → EEPROM: Le impostazioni precedentemente salvate vengono scritte sulle eeprom.
- **vengono riscritti i valori dei contatori generali**
- **non vengono riscritti i valori dei contatori manutenzione e dei consumabili**



SALVATAGGI

56-2	
Purpose	Data backup
Function (Purpose)	Used to backup the data in the EEPROM. SD Card, and HDD (including user authentication data and address data) to the USB memory. (Corresponding to the device cloning and the storage backup.)

56-02 Salva su USB tutte le impostazioni.
Se eseguito da macchina nuova si possono conservare i files per archiviazione delle impostazioni di default.

Es: **MX-2310U_75044874_NV_20070716_1431.dat**

- N°identificativo
- Data di acquisizione
- Matricola
- Modello

56-02 Parametri non alterabili con procedura Import

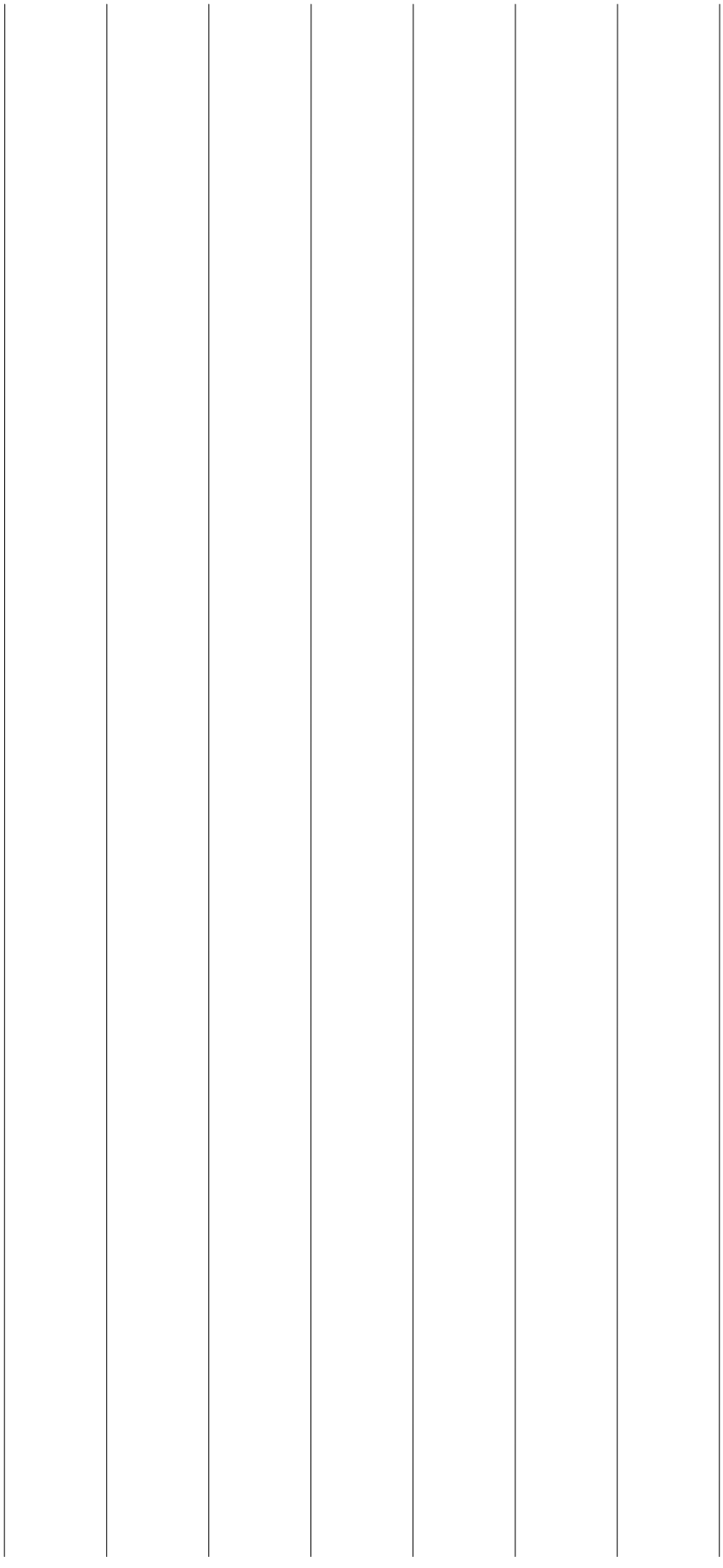
PWB Type	Content	NOTE
Controller **MFP PWB**	Machine serial No.	
	Product key information	
	Various counter	Copy counter/FAX send counter etc.
	Trouble history	
PWB Type	**Content**	**NOTE**
PCU **PCU PWB**	Machine serial No.	
	Various counter	Maintenance counter
	Machine adjustment execute history	
	Trouble history	
SCU **Scanner PWB**	Various counter	Maintenance counter
	Trouble history	

Operazioni consigliate prima dell'Import

- Salvare dati Eeprom&Sram vecchi (56-01 o 56-02 su USB)
- Eseguire backup di archiviazione su USB
- Salvare le impostazioni di sistema.
- Salvare impostazioni della scheda di rete (IP ecc.)

Operazioni consigliate dopo Import

- Eseguire backup di archiviazione precedentemente salvato
- Reimportare le impostazioni di sistema precedentemente salvate
- Riconfigurare scheda rete e pagina web



SALVATAGGI

56-5	
Purpose	Adjustment/Setting/Operation data check
Function (Purpose)	Used to import various setting and adjustment data (simulation, FAX, soft switches, counters), the firmware version, and the counter list into a USB memory.

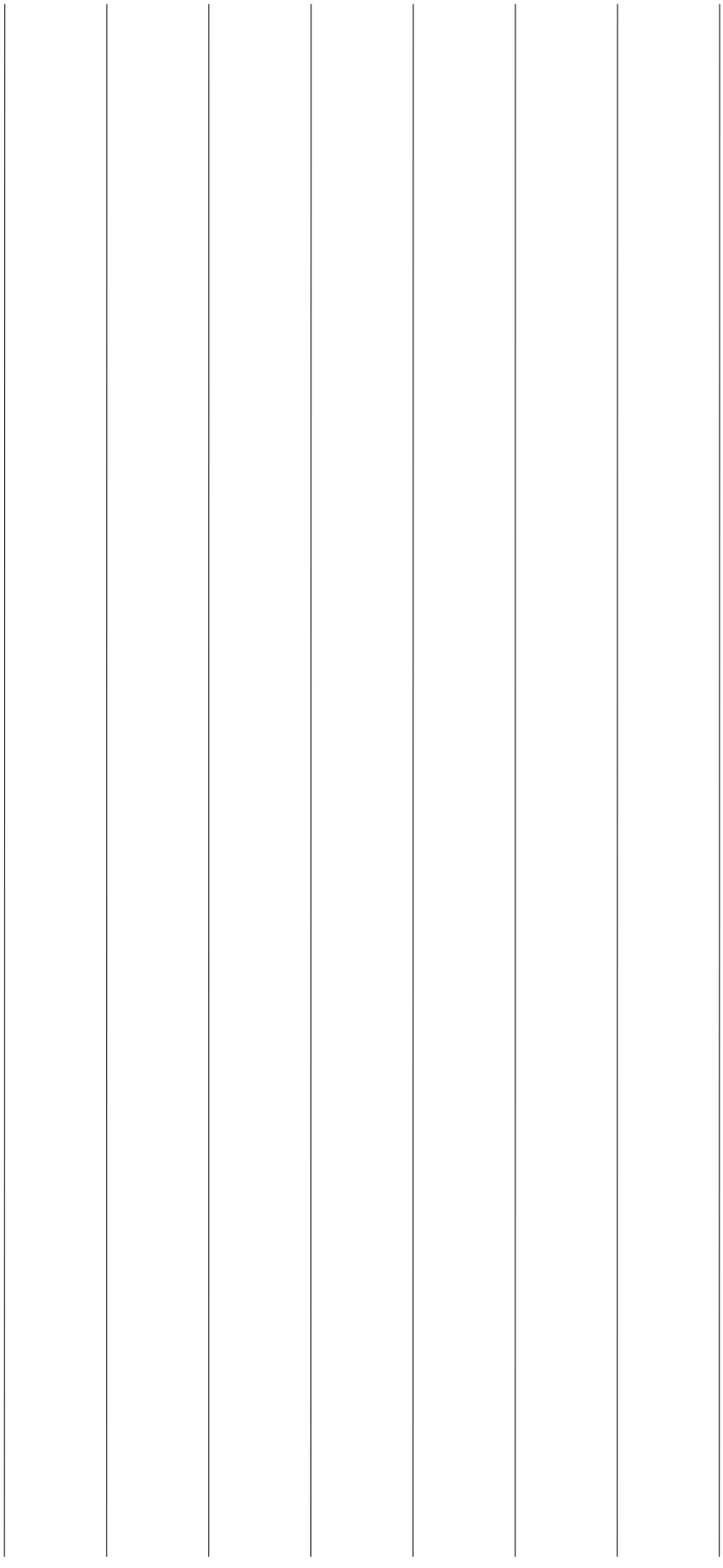
56-05 Salva su USB tutte le impostazioni della 22-06 (file formato txt)

56-3	
Purpose	Data backup
Function (Purpose)	Used to backup the document filing data to the USB memory.

56-03 Salva su USB i files memorizzati su HDD

56-4	
Purpose	Data backup
Function (Purpose)	Used to backup the JOB log data to the USB memory.

56-04 Salva su USB il JOB LOG



SALVATAGGI

Impostazioni di sistema

BACKUP DEI DATI

BACKUP DI ARCHIVIAZIONE

CLONAZIONE DISPOSITIVO

GESTIONE/RICHIAMO IMPOSTAZIONI DI SISTEMA

RIPRISTINA VALORI DEFAULT

MEMORIZZA CONFIGURAZIONE CORRENTE

RIPRISTINA CONFIGURAZIONE

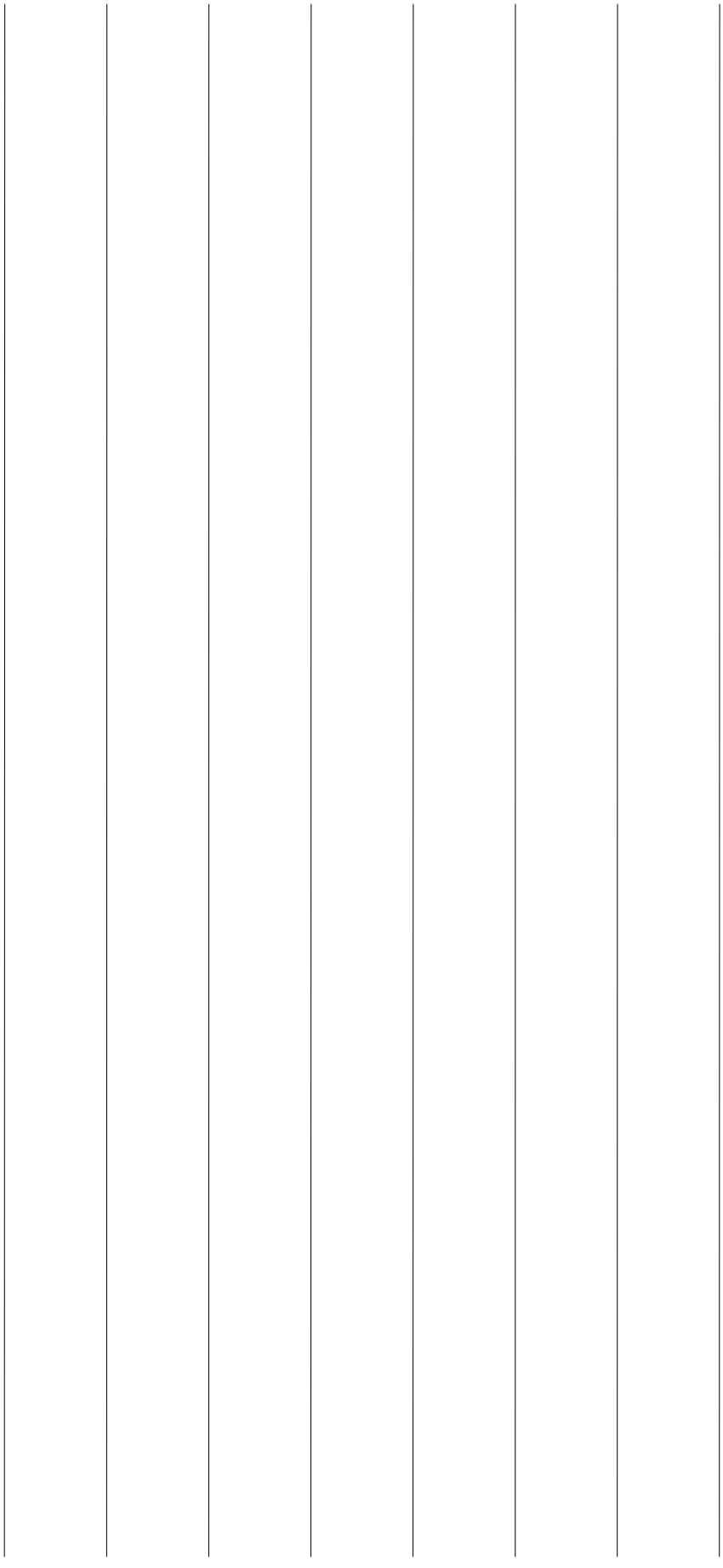
Backup dei dati - Salva su USB il conte della rubrica a scopo reimportazione

Clonazione dispositivo - Salva su USB le impostazioni dell MFP in formato XML a scopo reimportazione su altra MFP

Ripristina valori default – Ripristina i valori di default (fabbrica)

Memorizza configurazione corrente - Salva configurazione attuale tranne: impostazione di rete e chiave prodotto

Ripristina configurazione – Ripristina i valori salvati della configurazione corrente



SALVATAGGI :MX-2010U

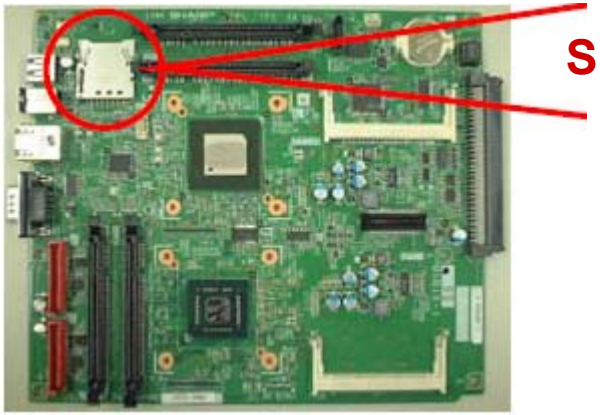
56-11	
Purpose	Data copy
Function (Purpose)	Used co copy the SD Card data to an option HDD.
Section	MFP PWB/HDD

56-11 Salva su HDD contenuto SD CARD

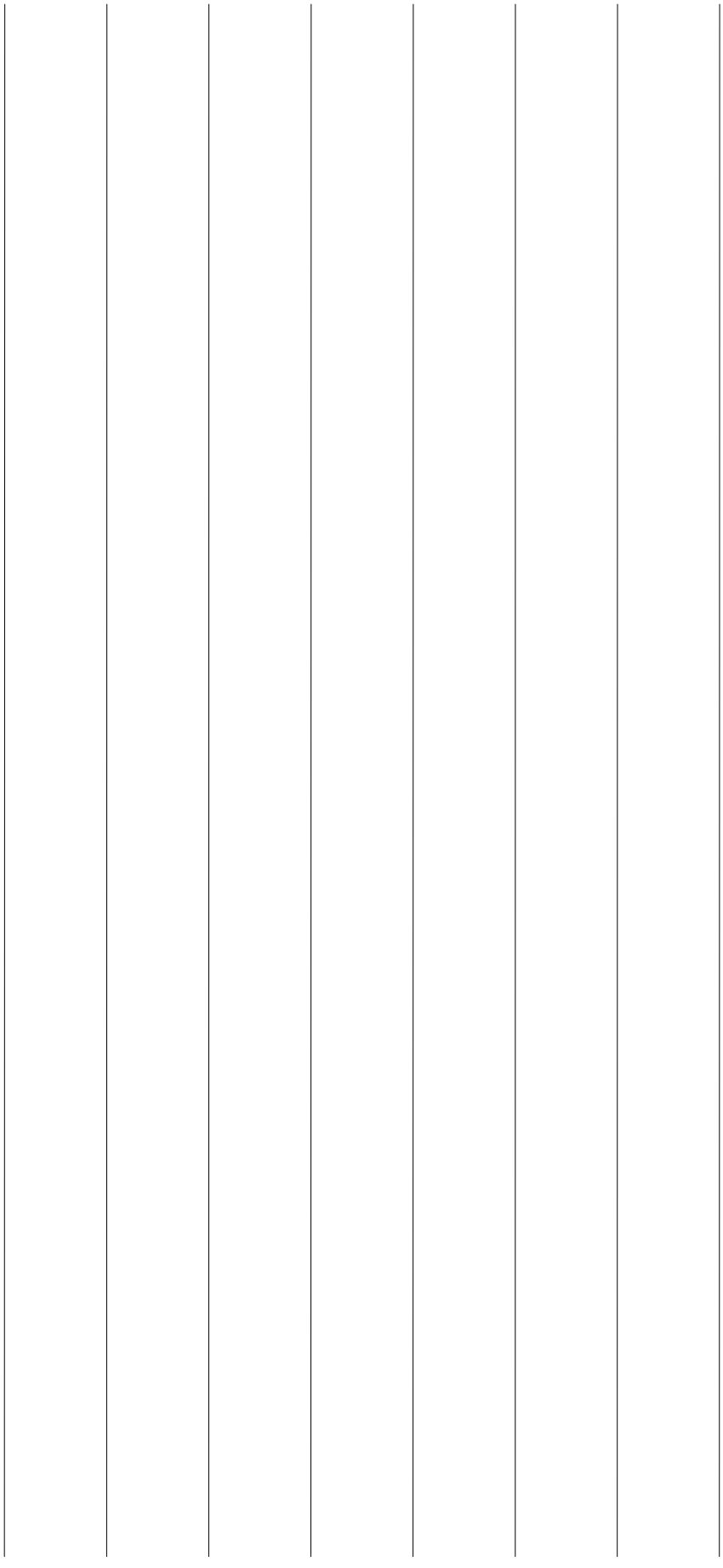
56-12	
Purpose	Data copy
Function (Purpose)	Used co copy the SD Card data to an option HDD.
Section	MFP PWB/HDD

56-12 Scrive su SD CARD contenuto memorizzato precedentemente su HDD

Simulazioni presenti solo su MX-2010U:Utilizzate durante procedura di installazione HDD



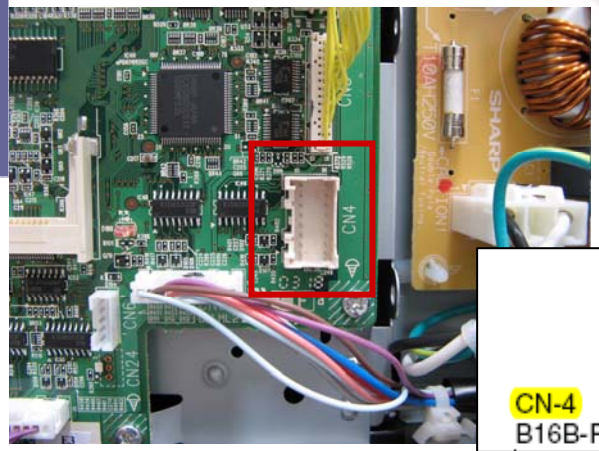
SD CARD



LETTORE SCHEDE MAGNETICHE

26-3	
Purpose	Setting
Function (Purpose)	Used to set the specifications of the auditor .(Setting must be made according to the auditor use conditions.)

OUTSIDE AUDITOR	NONE	No external connection vendor is used.	NONE
	P VENDOR1	Coin vendor mode (Only the copy mode can be controlled.)	
	P VENDOR3	Vendor mode in which signals for the intercard connected to the PCU are used for communication in parallel I/F.	
	P OTHER	Mode for an external auditor connected to the SCU.	
	VENDOR-EX (*1)	Vendor I/F for EQUITRAC	
	VENDOR-EX (MULTI) (*1)	VENDOR-EX + Multi job cueing Enable mode	
	S_VENDOR	Serial vendor mode	



COIN VENDER

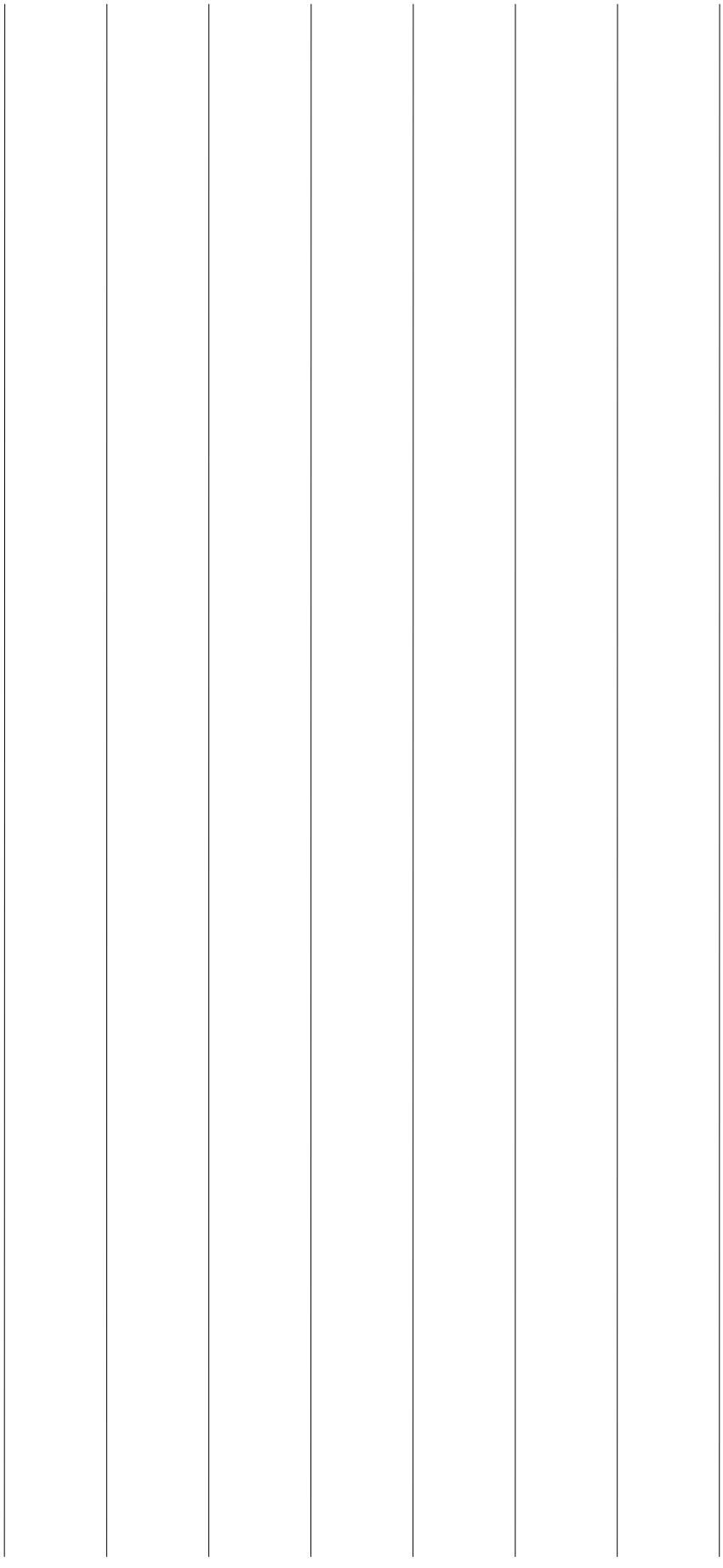
PCU PWB

CN-4
B16B-PNDZS-1

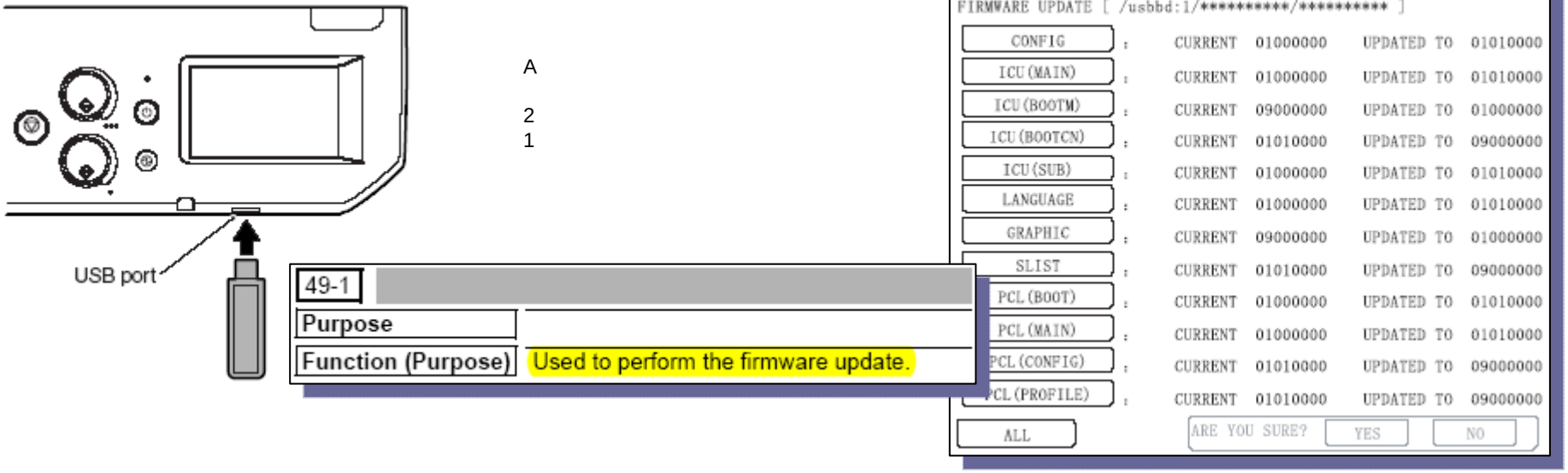
1	24V3
2	D-GND
3	/CV_COPY
4	/CV_COUNT
5	/CV_START
6	/CV_CA
7	/CV_CLCOPY
8	/CV_COLOR1
9	/CV_STAPLE
10	/CV_COLOR0
11	/CV_DUPLEX
12	5VN
13	/CV_SIZE0
14	/CV_SIZE1
15	/CV_SIZE2
16	/CV_SIZE3

- Mod. account + P Vendor 1 :

- anche con lettore di schede collegato è possibile utilizzare la modalità account per copia, scansione e document filling

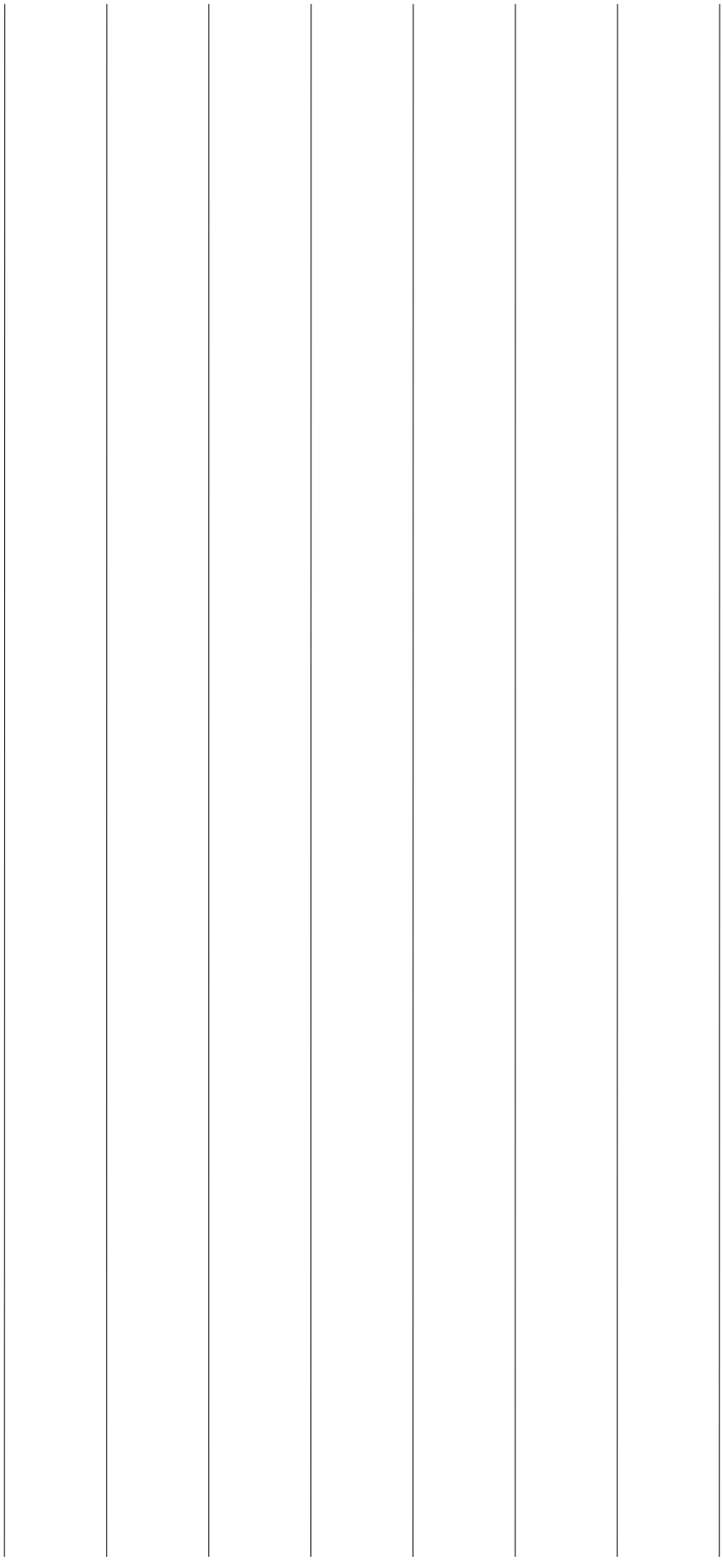


AGGIORNAMENTO FIRMWARE (USB)

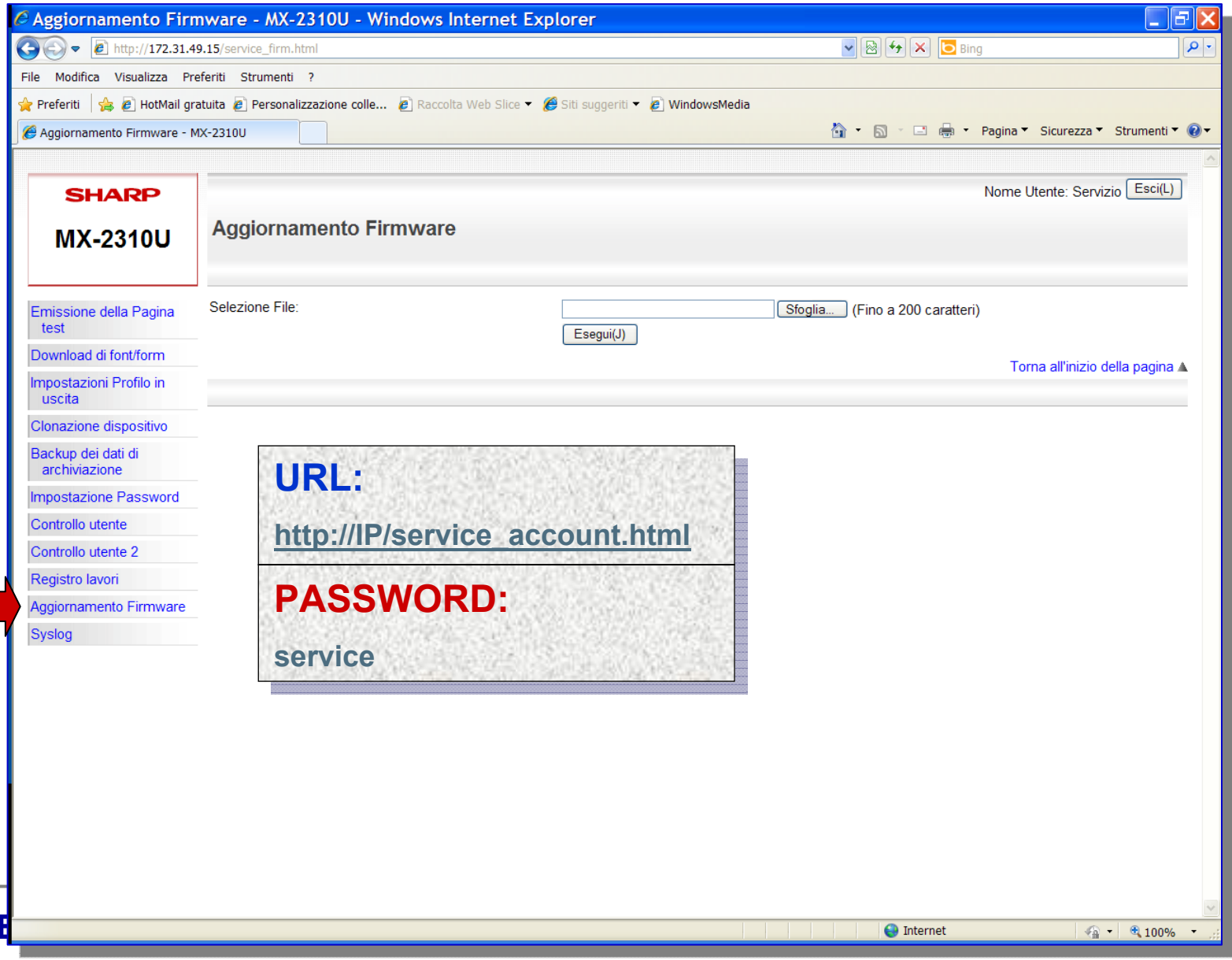

USB port
A
2
1
49-1
Purpose
Function (Purpose)
Used to perform the firmware update.
SIMULATION NO. 49-01
TEST
FIRMWARE UPDATE [/usbbd:1/**********/**********]
CONFIG : CURRENT 01000000 UPDATED TO 01010000
ICU (MAIN) : CURRENT 01000000 UPDATED TO 01010000
ICU (BOOTM) : CURRENT 09000000 UPDATED TO 01000000
ICU (BOOTCN) : CURRENT 01010000 UPDATED TO 09000000
ICU (SUB) : CURRENT 01000000 UPDATED TO 01010000
LANGUAGE : CURRENT 01000000 UPDATED TO 01010000
GRAPHIC : CURRENT 09000000 UPDATED TO 01000000
SLIST : CURRENT 01010000 UPDATED TO 09000000
PCL (BOOT) : CURRENT 01000000 UPDATED TO 01010000
PCL (MAIN) : CURRENT 01000000 UPDATED TO 01010000
PCL (CONFIG) : CURRENT 01010000 UPDATED TO 09000000
PCL (PROFILE) : CURRENT 01010000 UPDATED TO 09000000
ALL
ARE YOU SURE?
YES
NO

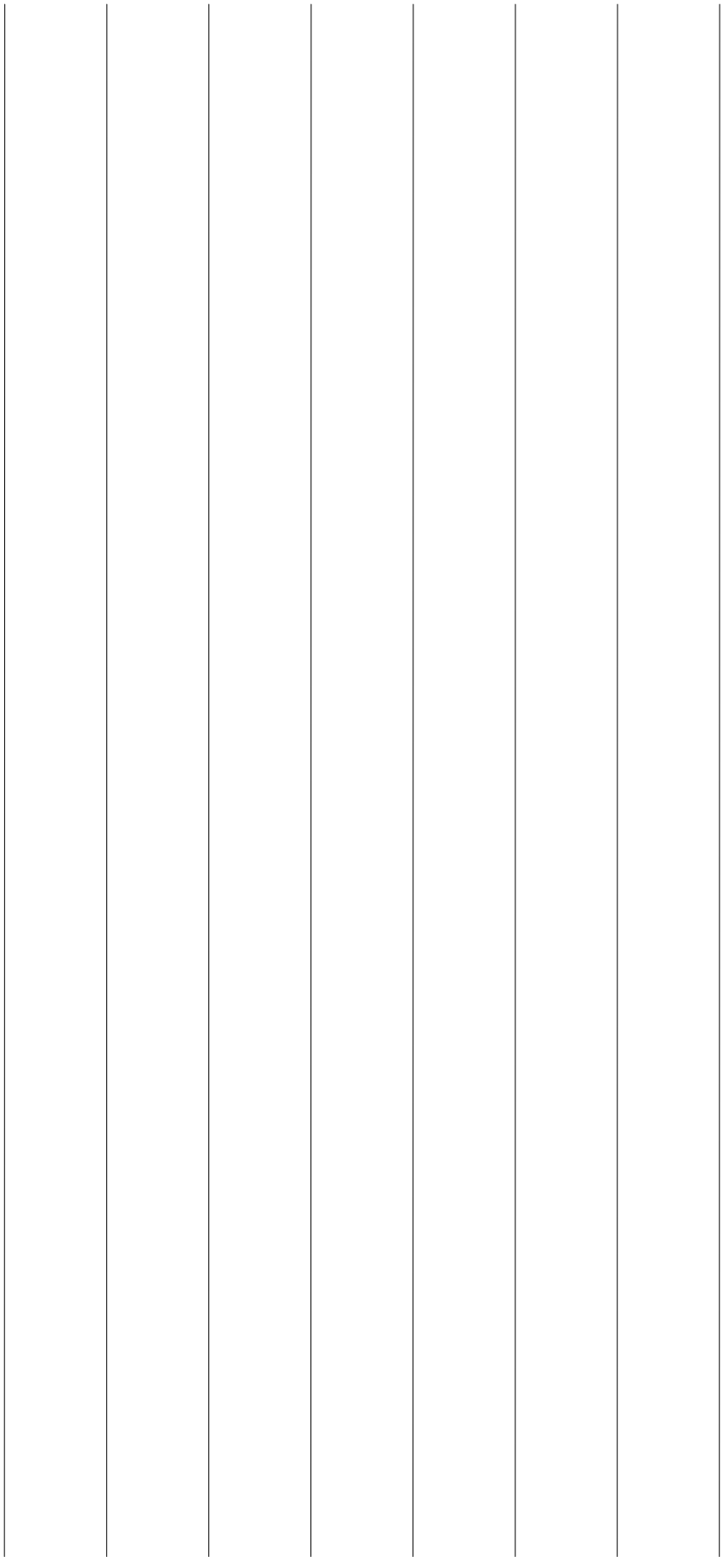
ROM control No.	ICU (MAIN)	ICU (BOOT)	PCU	SCU	IMAGE DATA	FAX	E-Manual
A21	0101P2	0100P2	0100P2	0100P2	0100P2	0100P2	0111P2

- Il firmware è rilasciato in pacchetto identificato con una lettera ed un numero (Es. A21)
- Si raccomanda di eseguire l'aggiornamento completo utilizzando il tasto ALL
- Per il modello MX-2010U + HDD (opz.) utilizzare il firmware per il modello MX-2310U



AGGIORNAMENTO FIRMWARE (RETE)





AGGIORNAMENTO FIRMWARE (PROCEDURA EMERGENZA)

Update Program Init
Please wait

Version Check
Conf : 00050000

Firm Update
From USB Memory

Firm Update
> F 0100P000.sfu

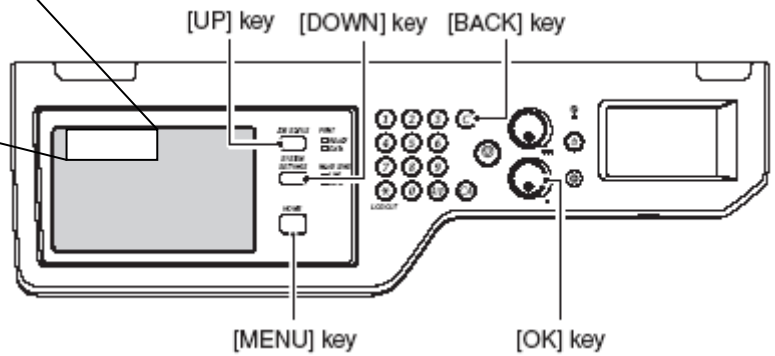
Firm Update
Reading Data

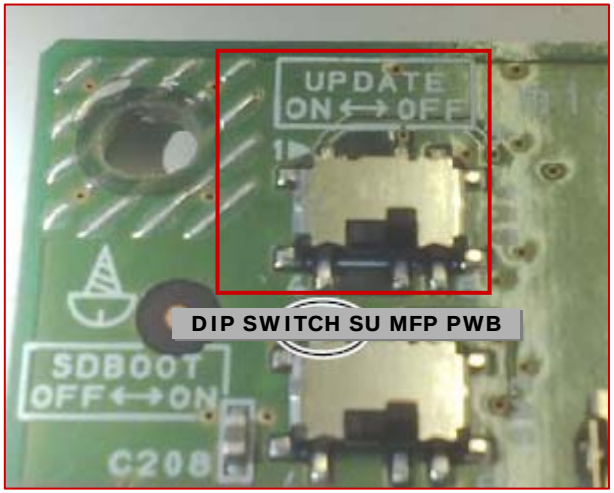
Firm Update IcuM
Writing Data

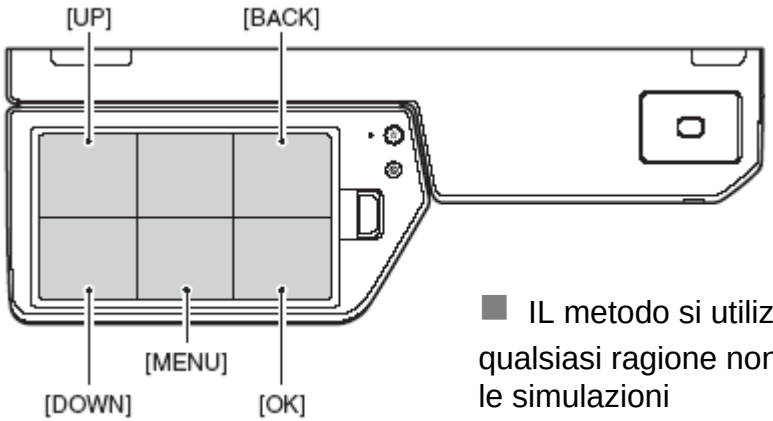
Firm Update IcuM
Result : OK

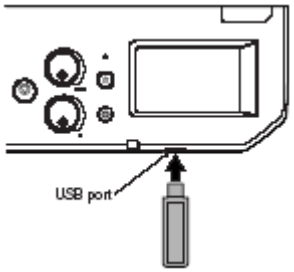
Firm Update IcuM
Result : Not Update

Firm Update IcuM
Result : NG

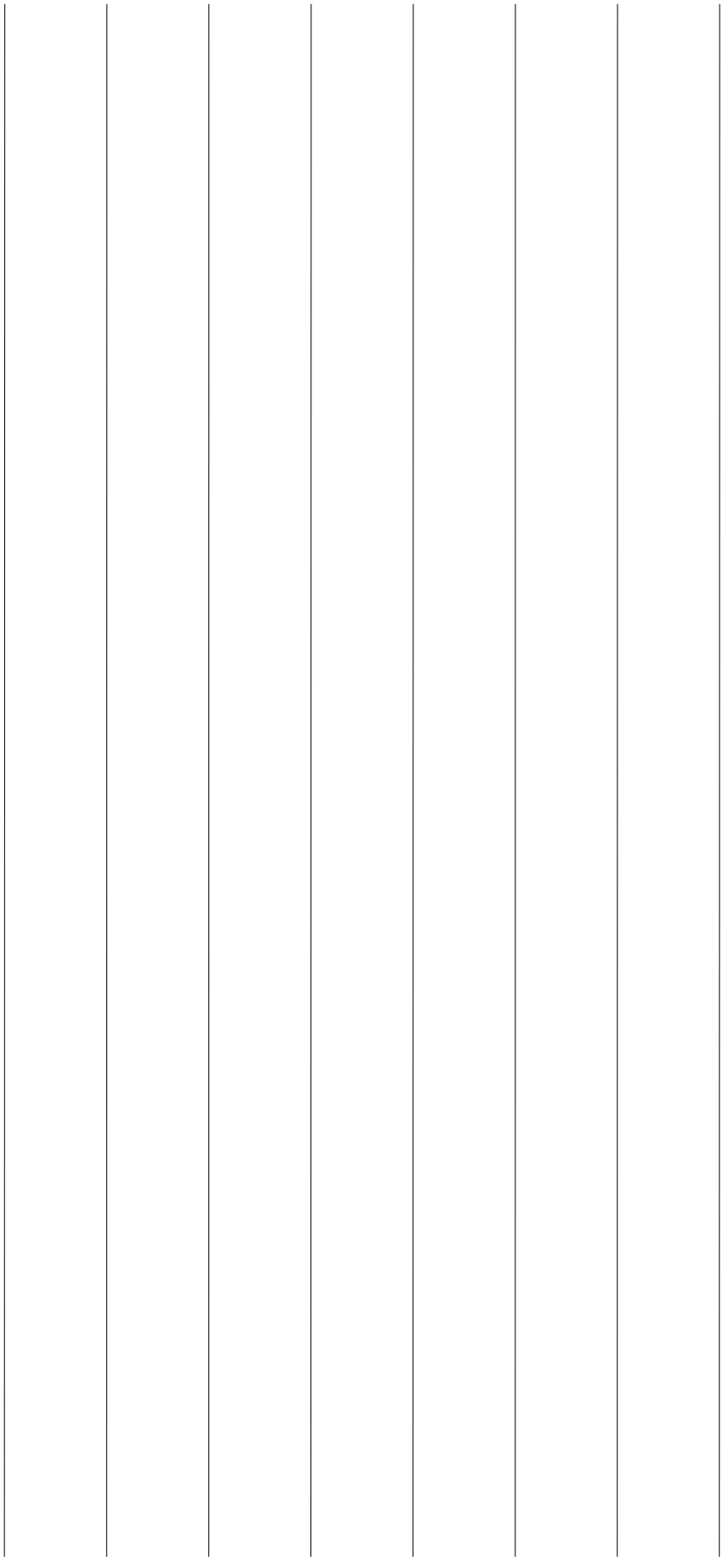








- IL metodo si utilizza quando per qualsiasi ragione non si possono utilizzare le simulazioni



CODICI DI SERVIZIO (GEMINI)

- Regolazioni
- Impostazioni e funzioni
- Cancellazione di errori
- Verifica di funzionamento
- Controllo, impostazione e cancellazioni contatori

P * C *

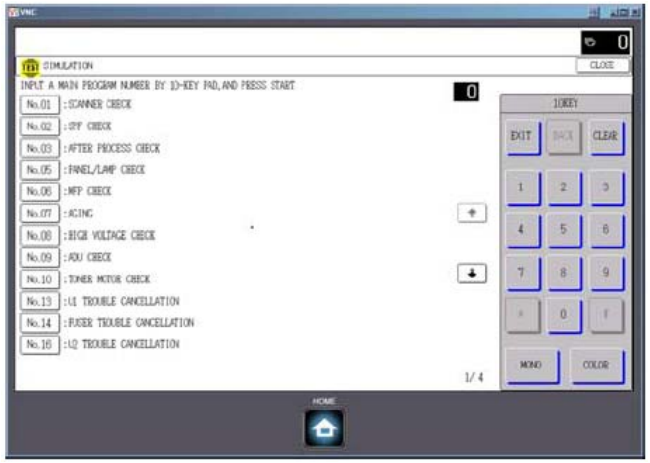
N.B: la copiatrice deve essere in copy mode

CODICI DI SERVIZIO (ARIES)

Tasto HOME 2 volte

Rev. xx.xx.xx

P * C *



- •COLOR= conferma
- • EXIT= uscita
- • CLEAR= cancellazione

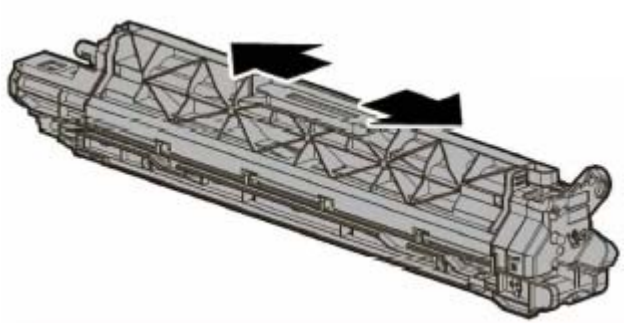
- Regolazioni
- • Impostazioni e funzioni
- • Cancellazione di errori
- • Verifica di funzionamento
- • Controllo, impostazione e cancellazioni contatori

N.B: la copiatrice deve essere in Home o copy mode

GEMINI SERIES - MX 2010U/2310U/3111U **ARIES SERIES - MX-2610N / 3110N / 3610N**

DV ADJUSTMENTS: TONER DENSITY

25-2	
Purpose	Setting
Function (Purpose)	Used to make the initial setting of toner density when replacing developer. (Automatic adjustment)

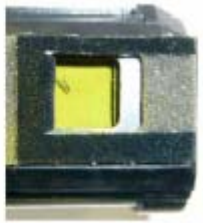


- Dopo inserimento del developer agitare orizzontalmente l'unità DV

- Si esegue :
  - all'installazione
  - alla sostituzione del developer
  - dopo avere azzerato il contatore developer
  - senza le cartucce toner inserite

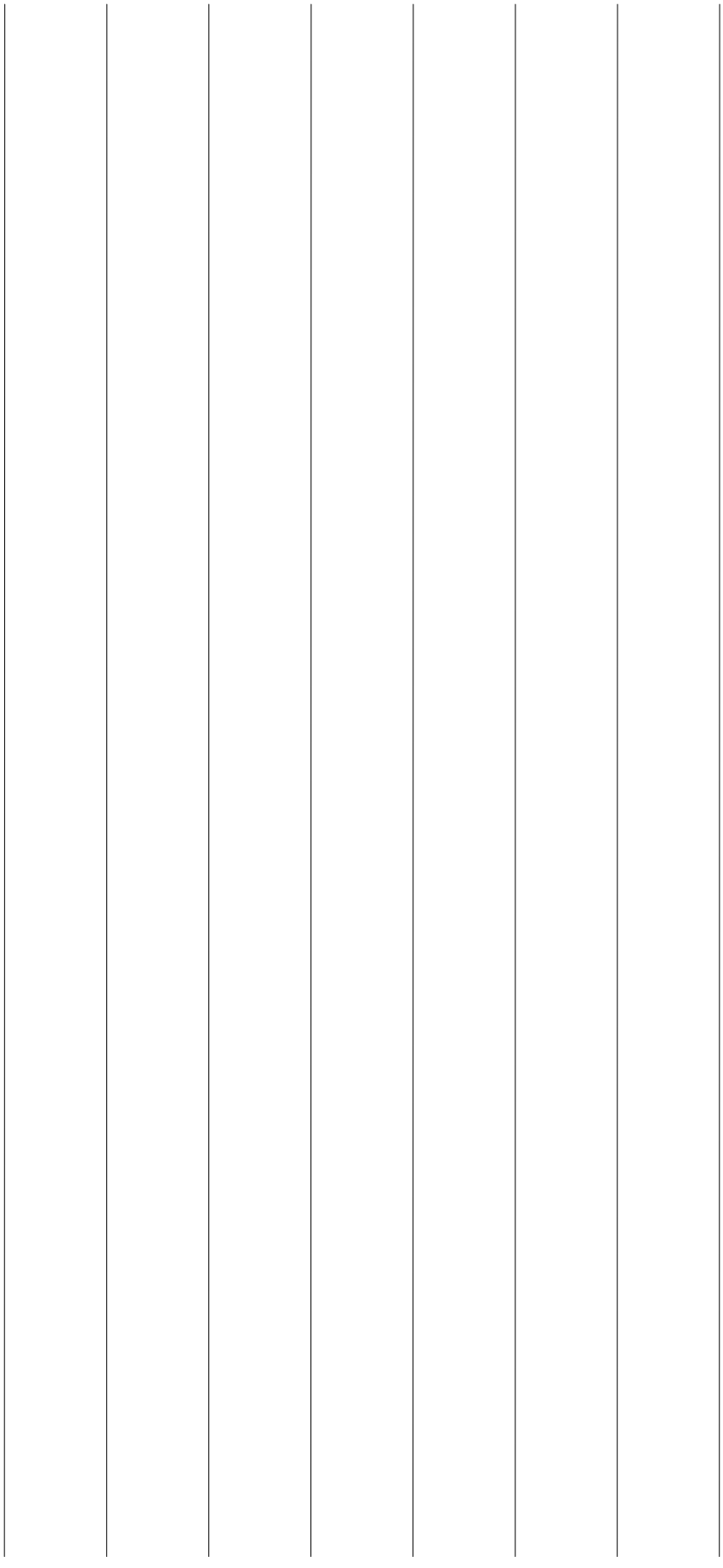
- Non si deve eseguire
  - se non si cambia il developer

OK

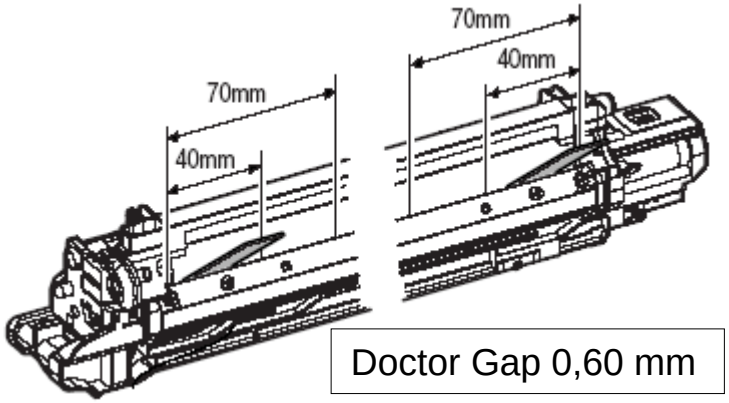


NG

- Prima dell'inserimento dell'unità DV assicurarsi che la zona di scarico del toner sia visibilmente nella condizione OK e non nella condizione NG.

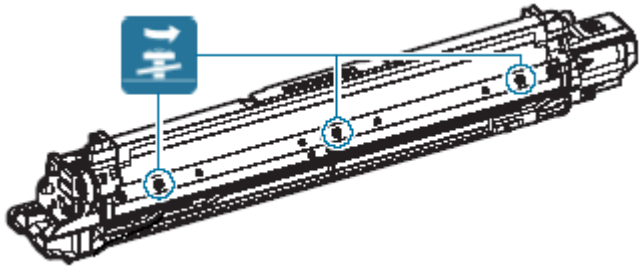


DV ADJUSTMENTS : DEVELOPING DOCTOR GAP



Doctor Gap 0,60 mm

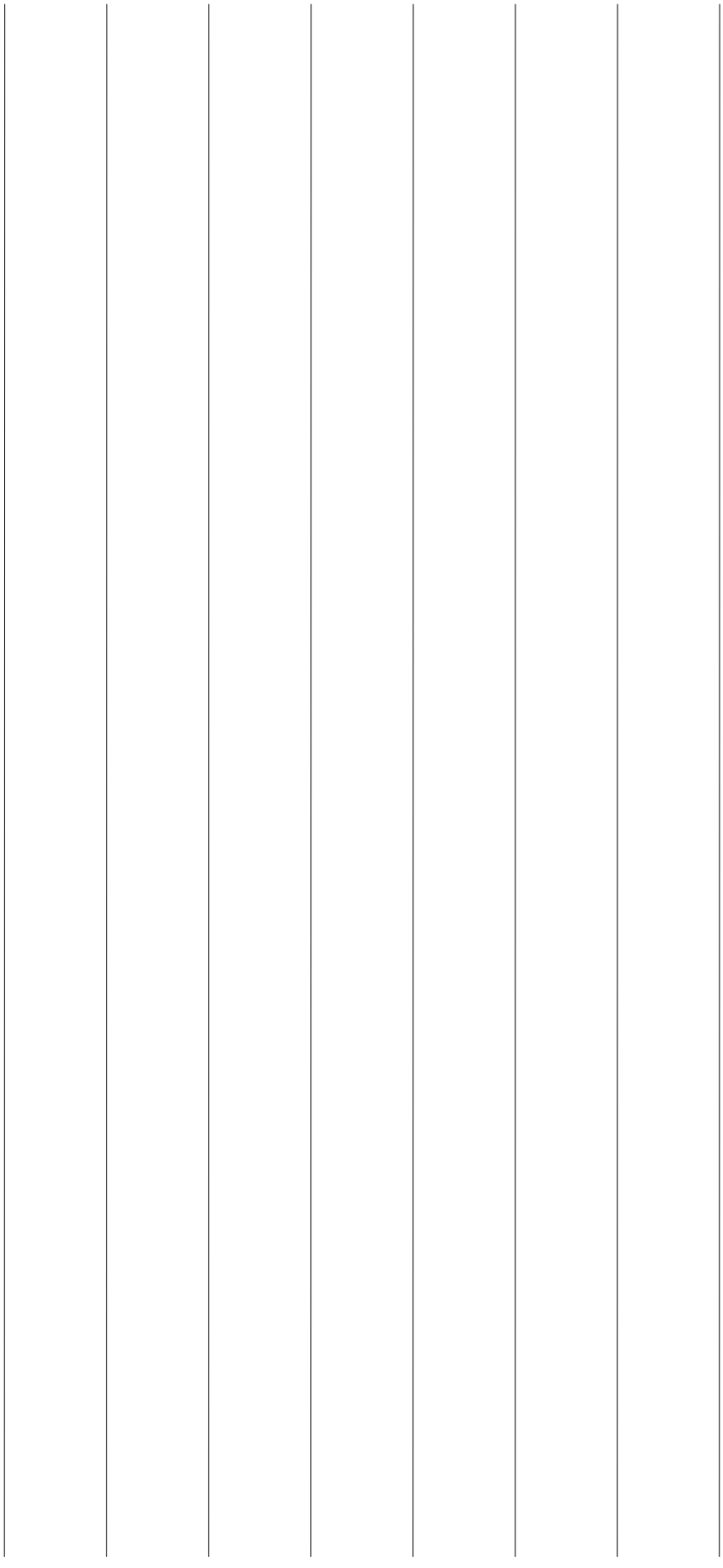
- Si esegue :
  - in seguito al riassemblaggio dell'unità developer
  - se la densità di stampa non è uniforme
  - senza developer inserito
- Per controllo la SIM. 64-01 permette la stampa di test



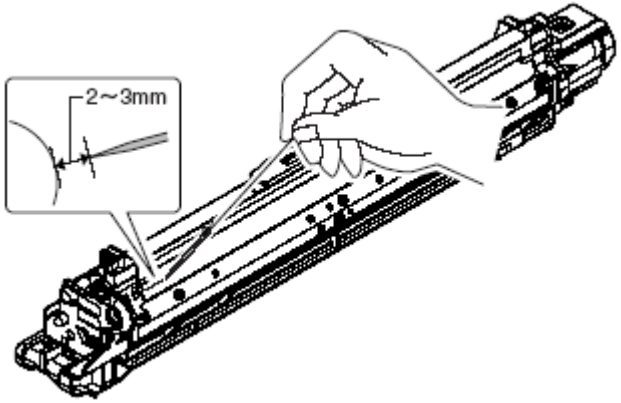
Documento Acrobat

64-1	
Purpose	Operation test/check
Function (Purpose)	Test print. (Self print) (Color mode)
Section	

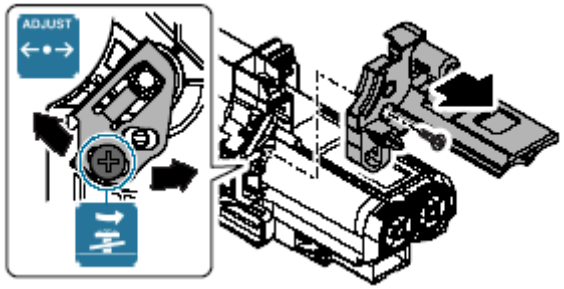
	Item/Display	Content	Setting range
A	PRINT PATTERN (1,2,9 - 11,15 - 19,21,22,29)	Specification of the print pattern (* For details, refer to the description below.)	1 - 58 (Printable only 1, 2, 9 - 11, 15 - 19, 21, 22, 29)
B	DOT1 (DOT1>=2 IF A:2,11)	Setting of print dot number (M parameter) (Self print pattern: m by n)	1-255 (Pattern 2,11: 2-255 except above: 1-255)
C	DOT2 (DOT2>=2 IF A:2,11)	Setting of blank dot number (N parameter) (Self print pattern: m by n)	0-255 (Pattern2,11: 2-255 except above: 0-255)
D	DENSITY (FIXED "255" IF A: 9)	Used to specify the print gradation.	1-255 (Pattern 9: 255 Fixed except above:1-255)

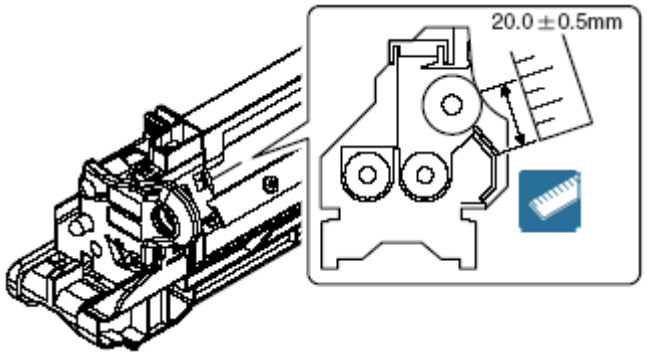


DV ADJUSTMENTS : DEVELOPING ROLLER MAIN POLE

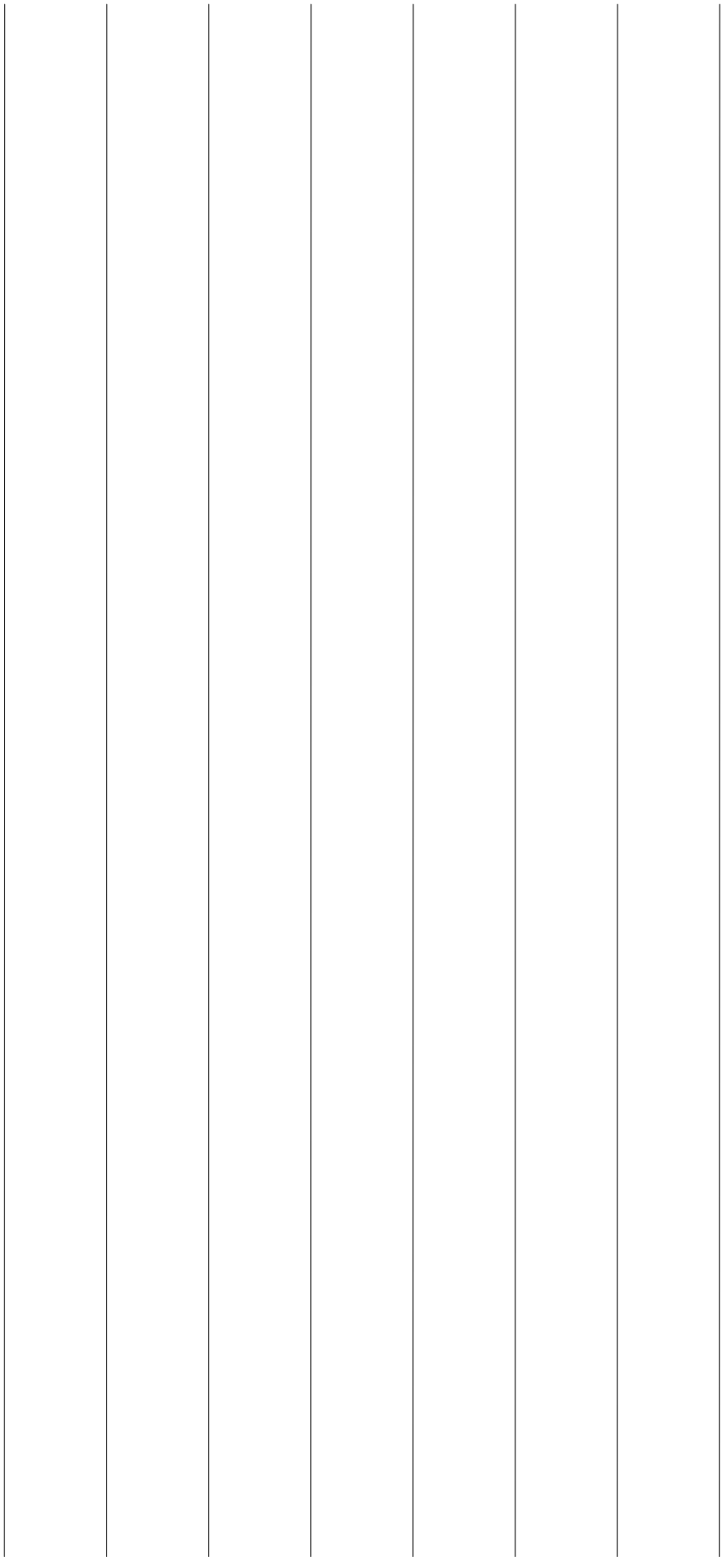


ADJUSTMENT

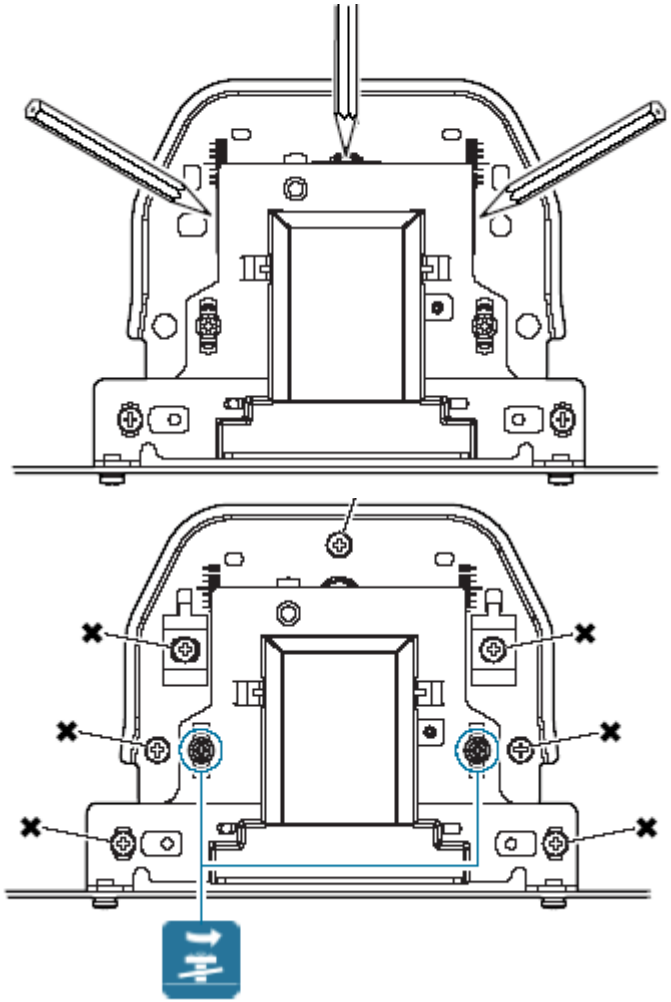




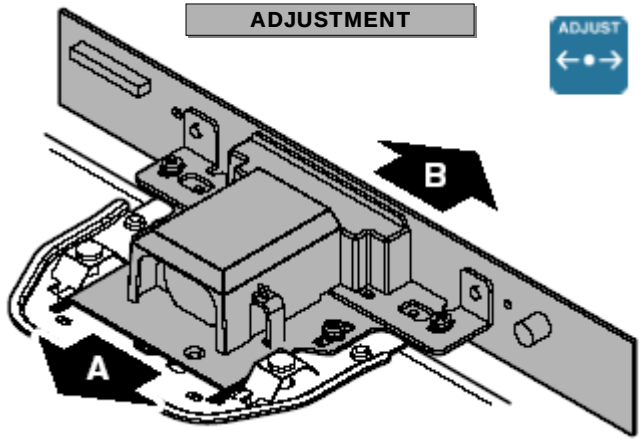
- Si esegue :
  - in seguito al riassemblaggio dell'unità developer
  - senza developer inserito

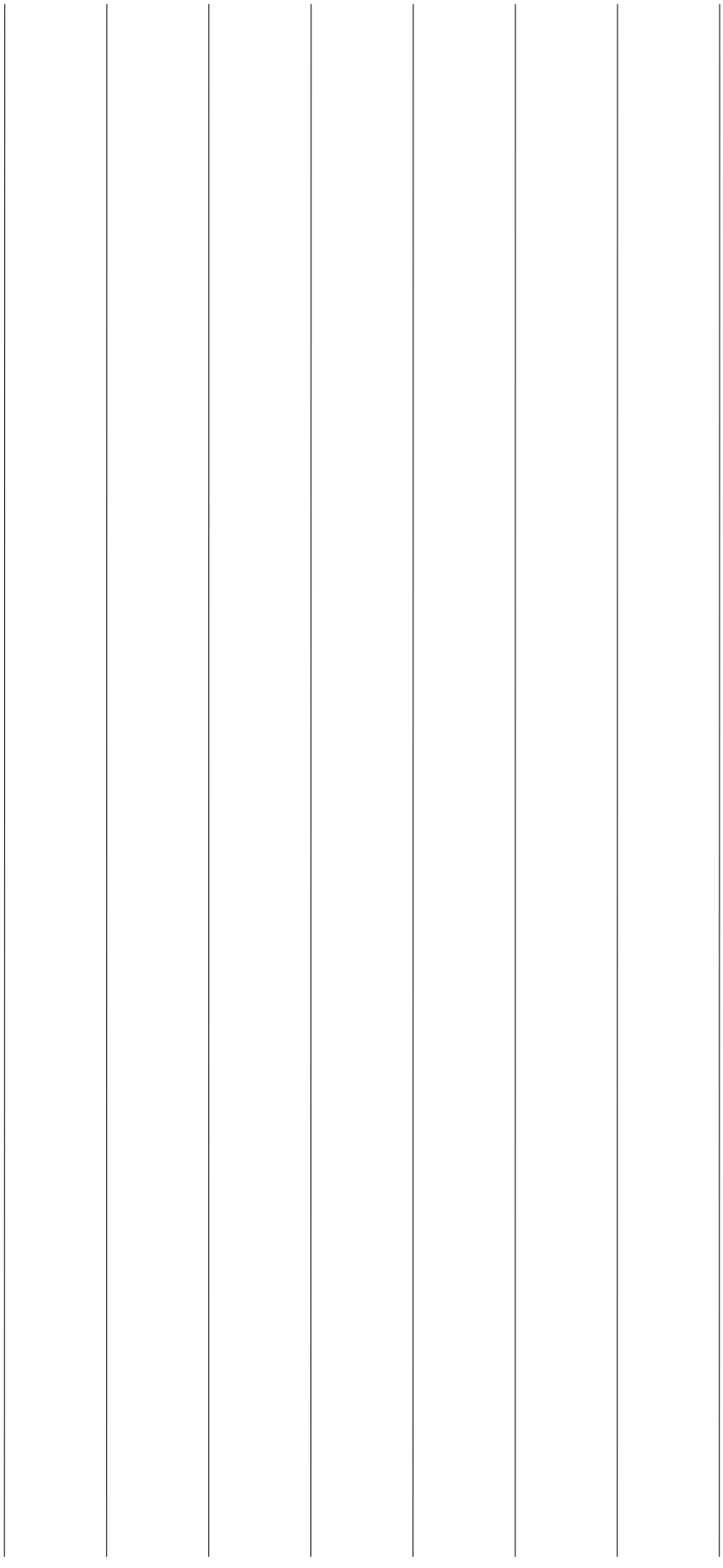


ADJUSTMENTS: CCD UNIT



- Si esegue :
  - allo sostituzione della CCD Unit
- Occorre eseguire :
  - la taratura 63-03 (shading)
  - la taratura con la Sim. 50-28
  - la calibrazione colore in modalità copia
  - le viti contrassegnate X non si devono toccare
  - segnare con una matita la posizione originale della base



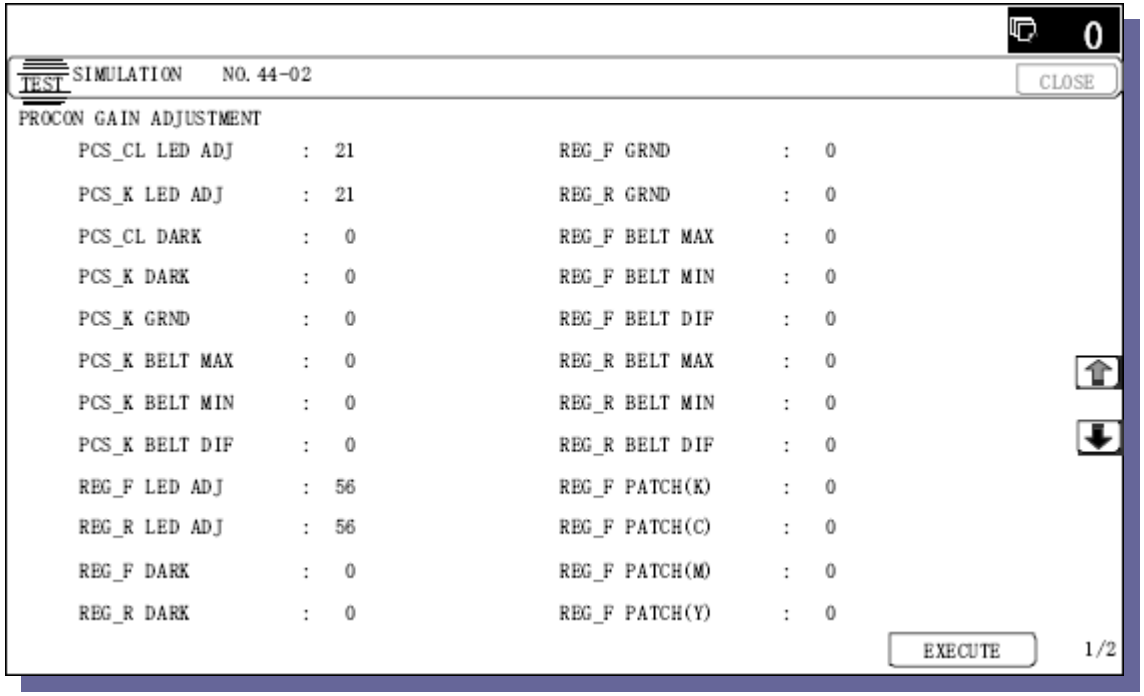


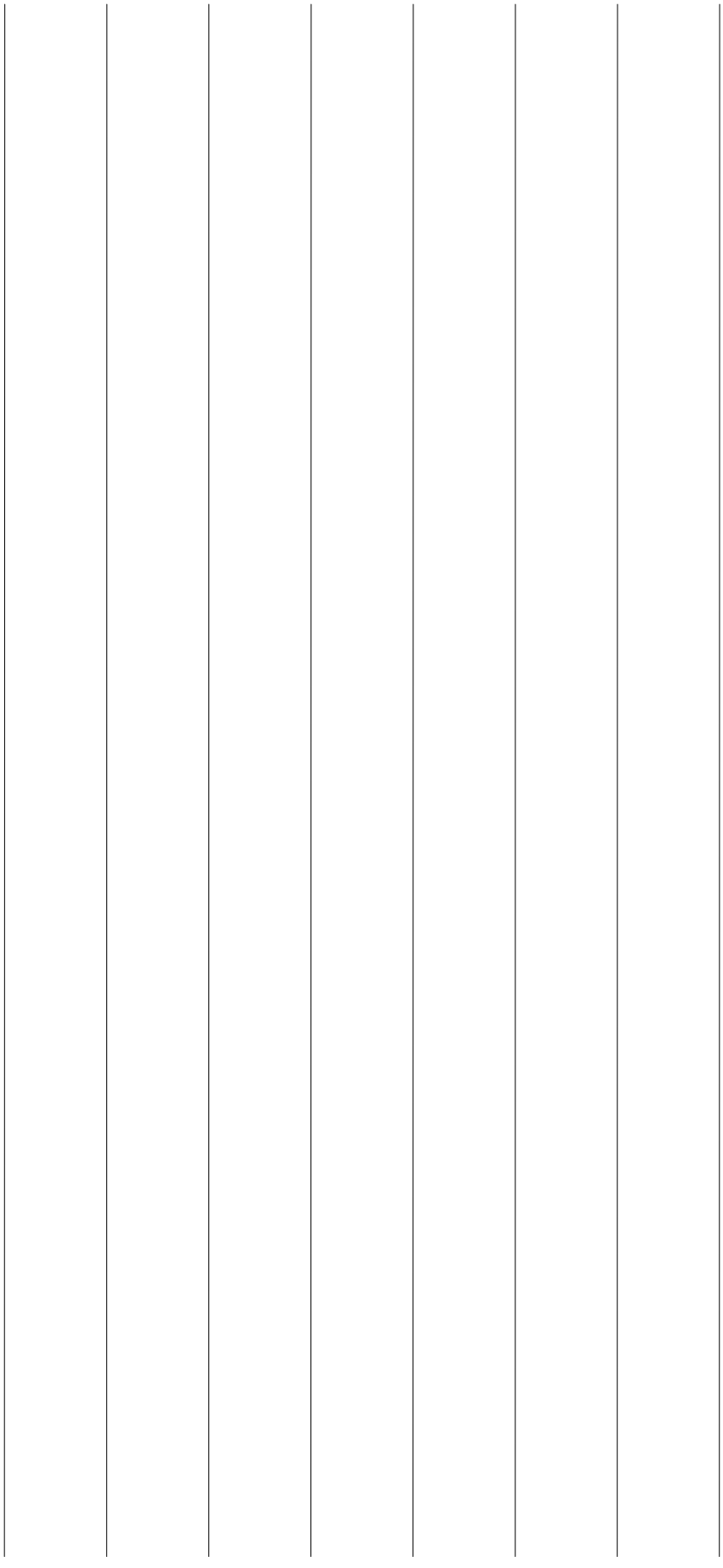
ADJUSTMENTS: IMAGE DENSITY SENSOR

44-2	
Purpose	Adjustment/Setup
Function (Purpose)	Used to adjust the sensitivity of the image density sensor (registration sensor).

- Si esegue :
  - alla sostituzione del telo di trasferimento

ope_pho06_1.swf

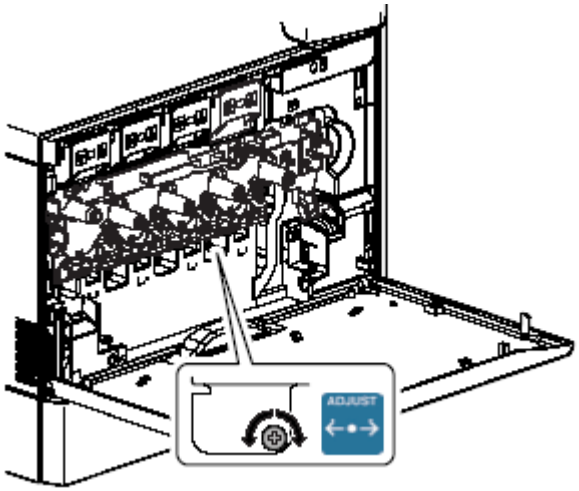

0
TEST SIMULATION NO. 44-02
CLOSE
PROCON GAIN ADJUSTMENT
PCS_CL LED ADJ : 21
PCS_K LED ADJ : 21
PCS_CL DARK : 0
PCS_K DARK : 0
PCS_K GRND : 0
PCS_K BELT MAX : 0
PCS_K BELT MIN : 0
PCS_K BELT DIF : 0
REG_F LED ADJ : 56
REG_R LED ADJ : 56
REG_F DARK : 0
REG_R DARK : 0
REG_F GRND : 0
REG_R GRND : 0
REG_F BELT MAX : 0
REG_F BELT MIN : 0
REG_F BELT DIF : 0
REG_R BELT MAX : 0
REG_R BELT MIN : 0
REG_R BELT DIF : 0
REG_F PATCH(K) : 0
REG_F PATCH(C) : 0
REG_F PATCH(M) : 0
REG_F PATCH(Y) : 0
EXECUTE
1/2

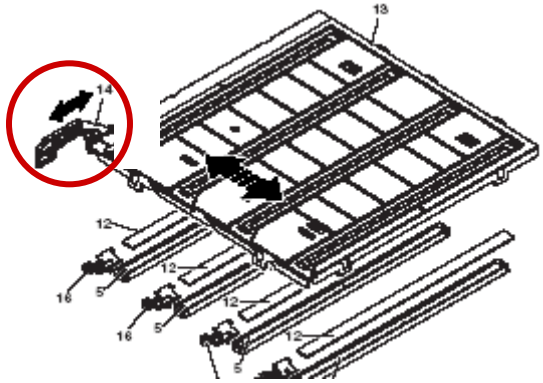


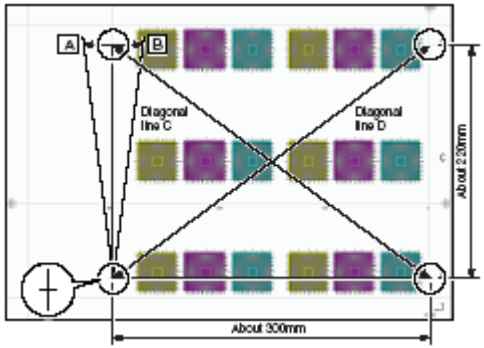
ADJUSTMENTS (LASER BLACK IMAGE SKEW)

61-4	
Purpose	Adjustment
Function (Purpose)	Used to print the print image skew adjustment pattern. (LSU unit)

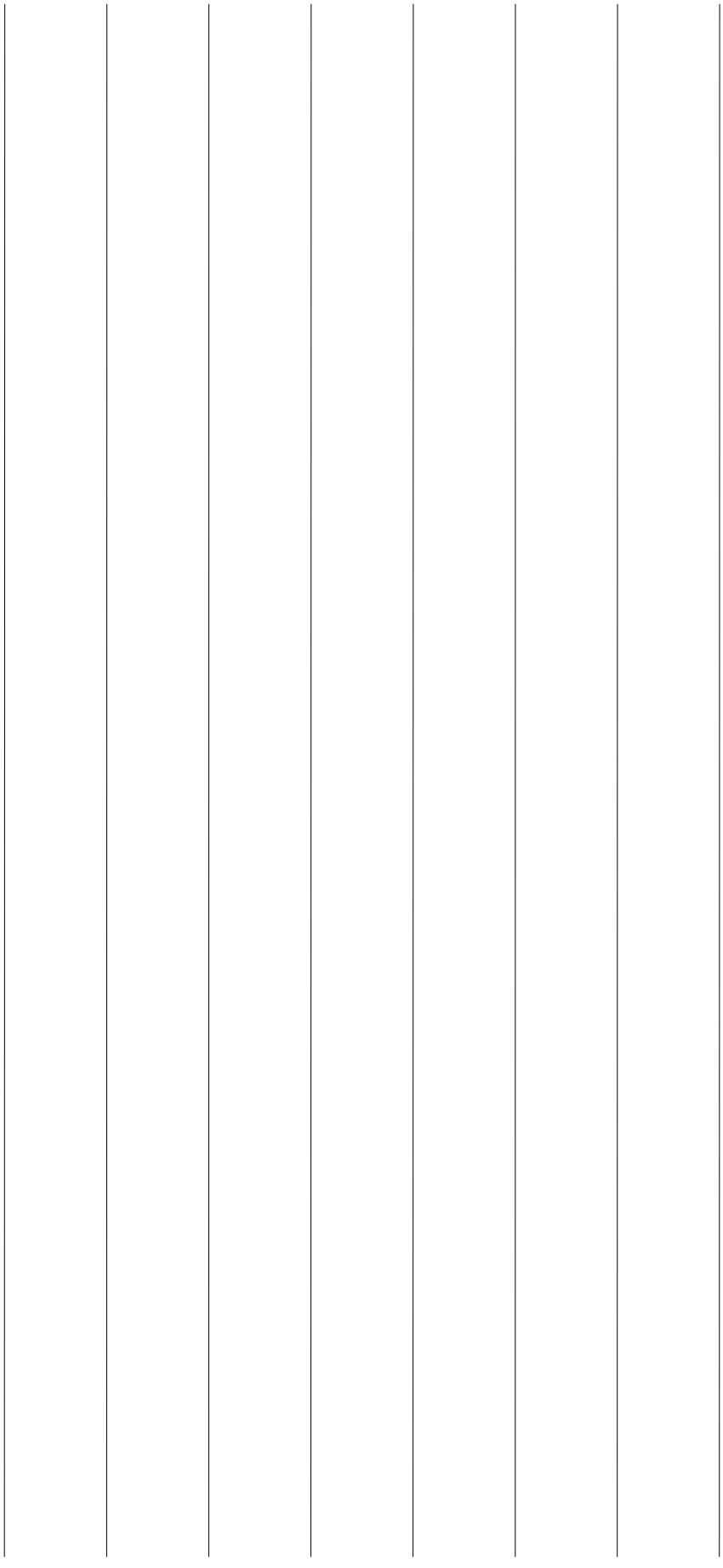
ope_lsu03.swf



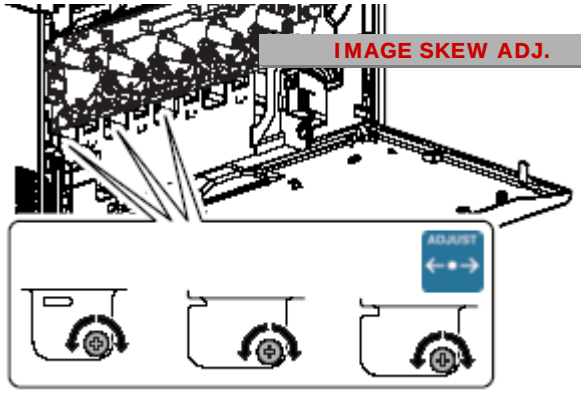




■ Aprire manualmente gli shutters per permettere la stampa in assenza del box waste toner

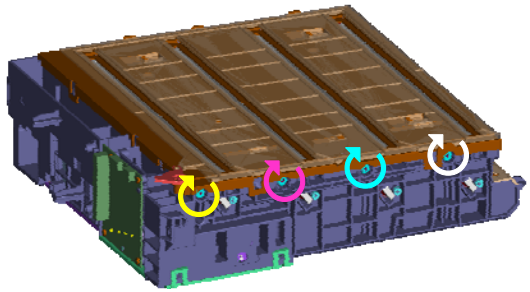


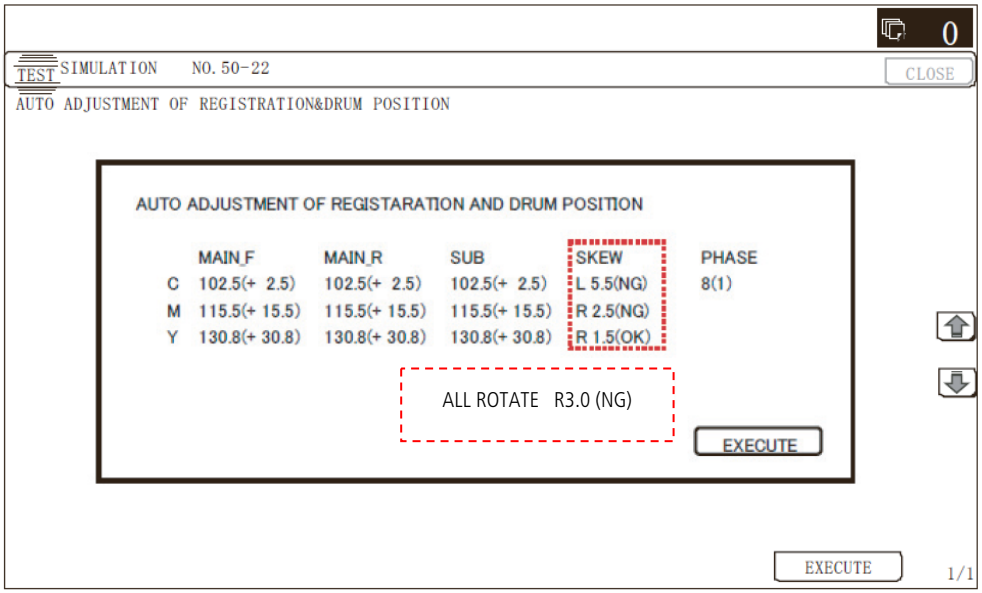
ADJUSTMENTS (COLOR LASER IMAGE SKEW)



ope_lsu03.swf

50-22	
Purpose	Adjustment
Function (Purpose)	Used to adjust the image registration. (Main scan direction, sub scan direction) (Auto adjustment)/OPC drum phase adjustment (Auto adjustment)



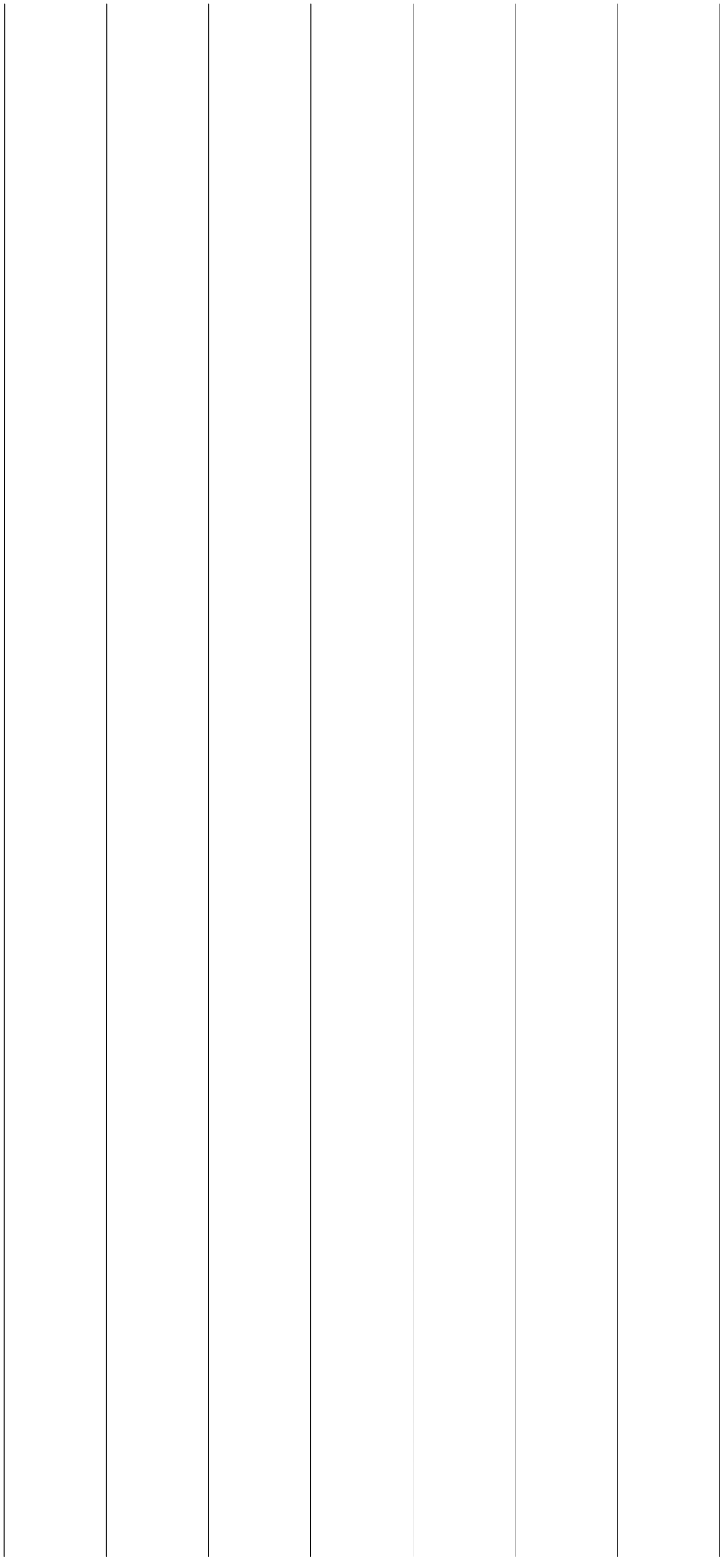

0
TEST SIMULATION NO. 50-22
CLOSE
AUTO ADJUSTMENT OF REGISTRATION&DRUM POSITION
AUTO ADJUSTMENT OF REGISTARATION AND DRUM POSITION
MAIN_F MAIN_R SUB SKEW PHASE
C 102.5(+ 2.5) 102.5(+ 2.5) 102.5(+ 2.5) L 5.5(NG) 8(1)
M 115.5(+ 15.5) 115.5(+ 15.5) 115.5(+ 15.5) R 2.5(NG)
Y 130.8(+ 30.8) 130.8(+ 30.8) 130.8(+ 30.8) R 1.5(OK)
ALL ROTATE R3.0 (NG)
EXECUTE
EXECUTE
1/1

- Si esegue per ottenere (OK) :
  - L (NG): vite senso antiorario
  - R (NG): vite senso orario

Nel caso „ALL ROTATE“ risulti NG,(per esempio R3.0),,
Ruotare in senso orario tutte 3 le viti colore di 3 scatti↻

Solo dopo avere ottenuto ALL ROTATE (OK) si può procedere alla singola regolazione per ogni colore

Se per esempio l'errore è segnalato con L4.5 (NG), ruotare la vite da 4 a 5 **scatti** in direzione antioraria ↺



ADJUSTMENTS:(COLOR LASER IMAGE SKEW)

- Registro:

-La macchina effettua il registro anche automaticamente: se si verifica un malfunzionamento di un componente interessato al registro i colori non vengono più sovvrapposti perfettamente.

-Se si procede con la sim. 50-22 non si ottiene il registro ma un codice di errore.

Es: ERROR:DATA_MAIN_K_F_Head 50

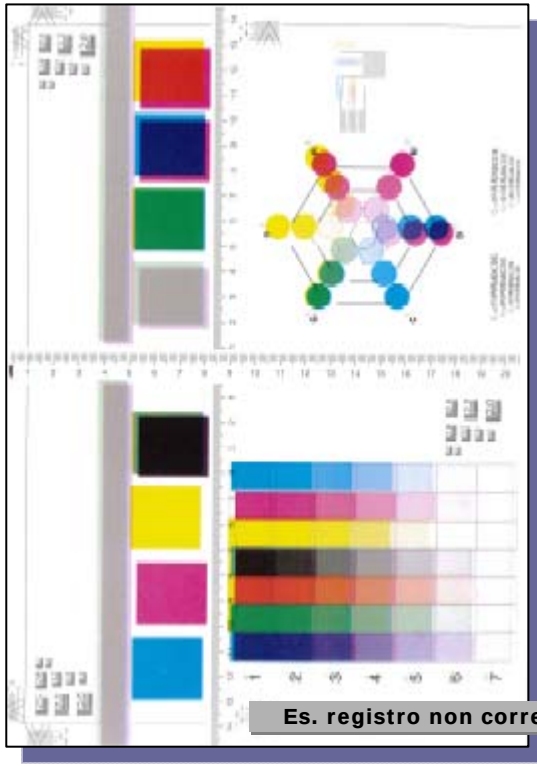
-Componenti interessati:

Cilindri

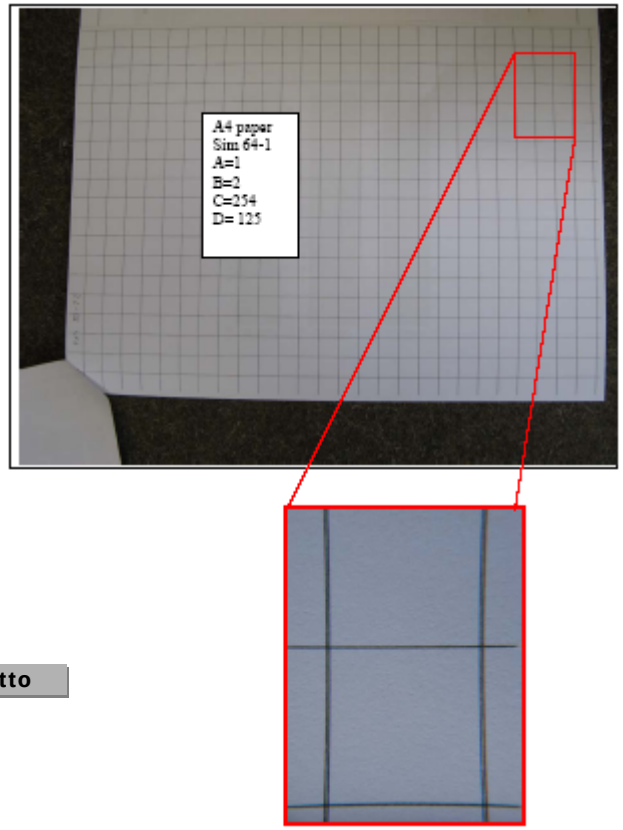
Developer

Telo trasferimento primario

Sensori registro



Es. registro non corretto

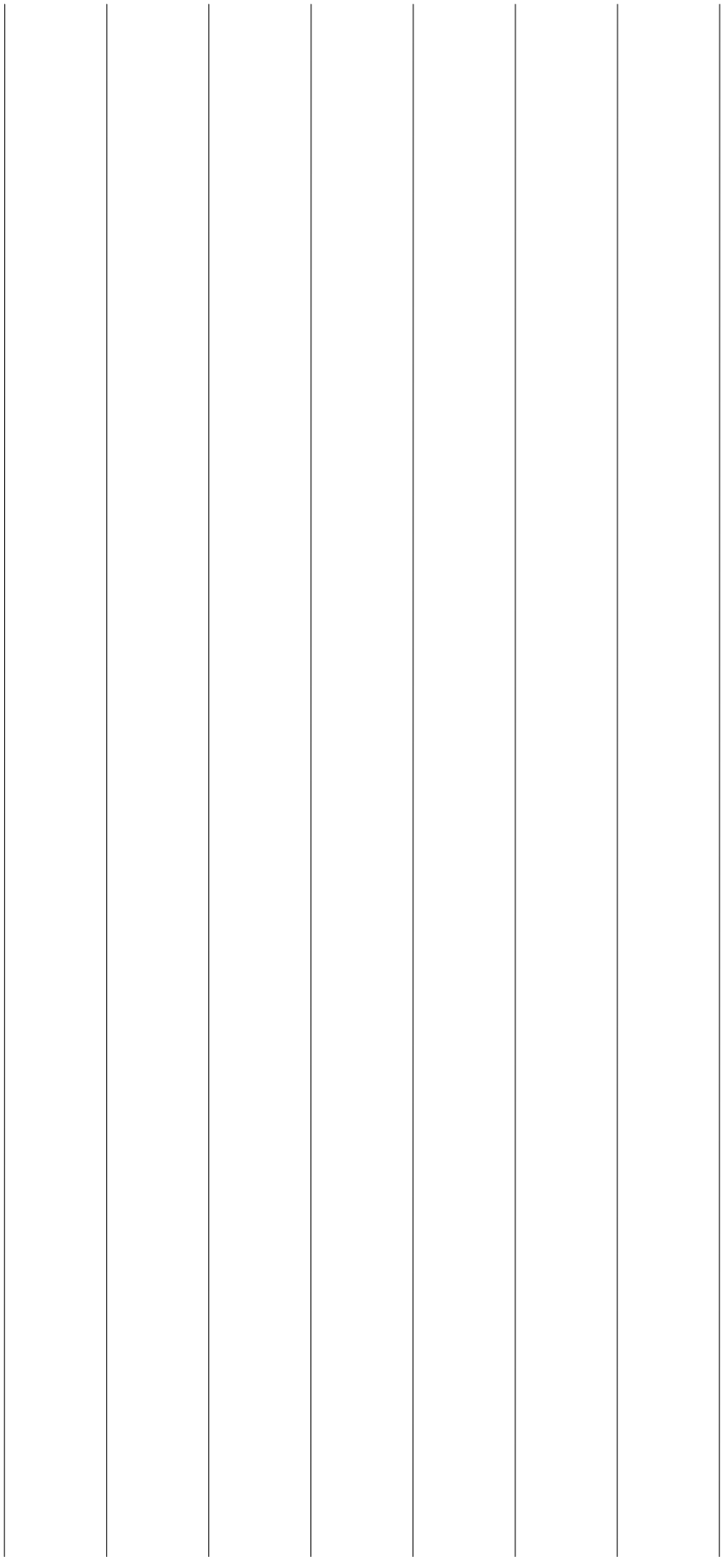


64-1	
Purpose	Operation test/check
Function (Purpose)	Test print. (Self print) (Color mode)
Section	

	Item/Display		Content
A	PRINT PATTERN (1, 2, 9 - 11, 17 - 19, 21, 22, 29)	1	Specification of the print pattern (* For details, refer to the description below.)
B	DOT1 (DOT1>=2 IF A: 2,11)	2	Setting of print dot number (M parameter) (Self print pattern: m by n)
C	DOT2 (DOT2>=2 IF A: 2,11)	254	Setting of blank dot number (N parameter) (Self print pattern: m by n)
D	DENSITY (FIXED "255" IF A: 9)	125	Used to specify the print gradation.

- Verifica su TEST PATTERN

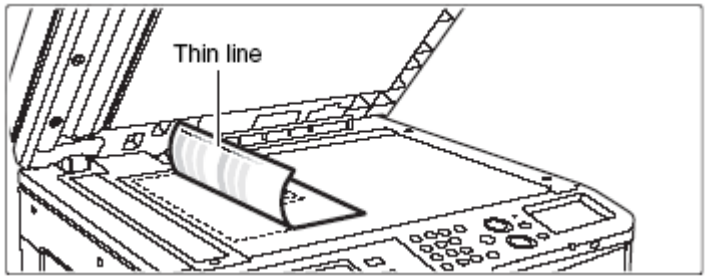
Stampare grigliato in quadricomia su A4 o A3



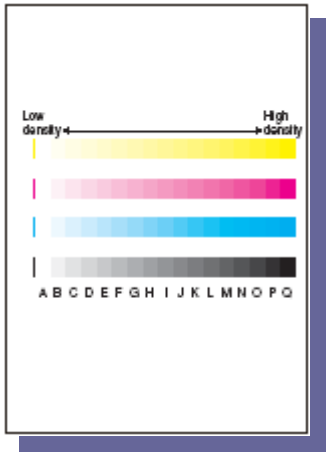
ADJUSTMENTS:CALIBRAZIONE COLORE AUTO

46-74	
Purpose	Adjustment
Function (Purpose)	Copy color balance adjustment (Auto adjustment)/Printer color balance adjustment (Auto adjustment)

- Si esegue :
  - all'installazione
  - alla sostituzione dei consumabili
  - quando la qualità non è più soddisfacente
  - alla sostituzione delle EEPROM
  - alla sostituzione della scanner PWB
  - alla soistituzione della MFP PWB
  - alla sostituzione del CCD unit

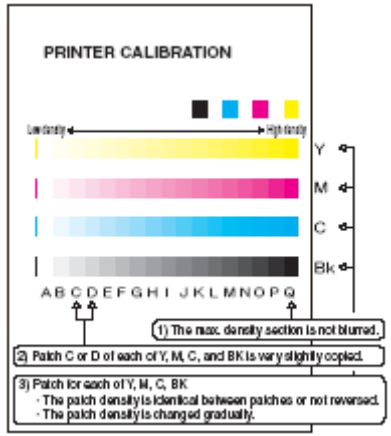


Test letto dallo scanner

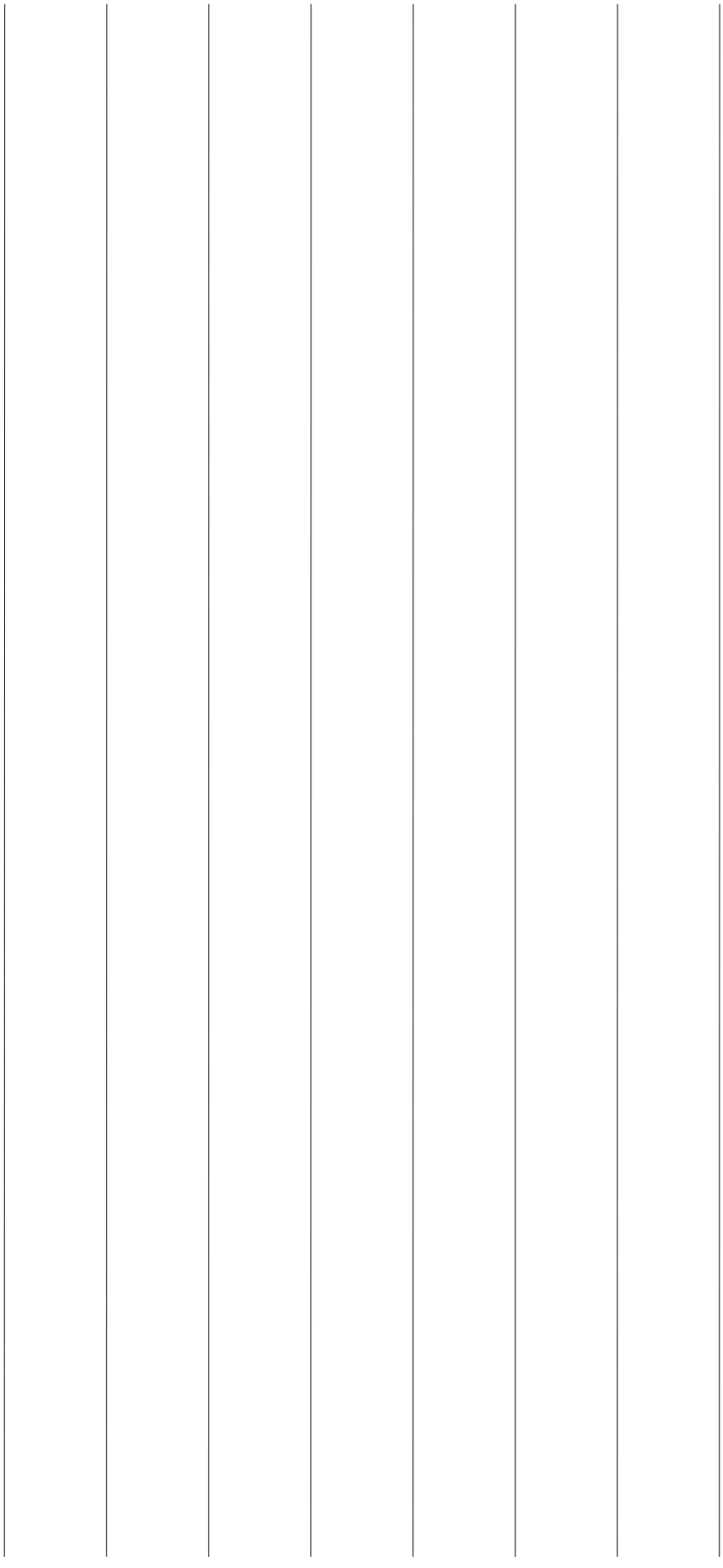


Test di controllo

Test letto dallo scanner


PRINTER CALIBRATION
Y
M
C
Bk
A B C D E F G H I J K L M N O P Q
1) The max. density section is not blurred.
2) Patch C or D of each of Y, M, C, and BK is very slightly copied.
3) Patch for each of Y, M, C, BK
· The patch density is identical between patches or not reversed.
· The patch density is changed gradually.

Test di controllo



ADJUSTMENTS:SIM 50-28

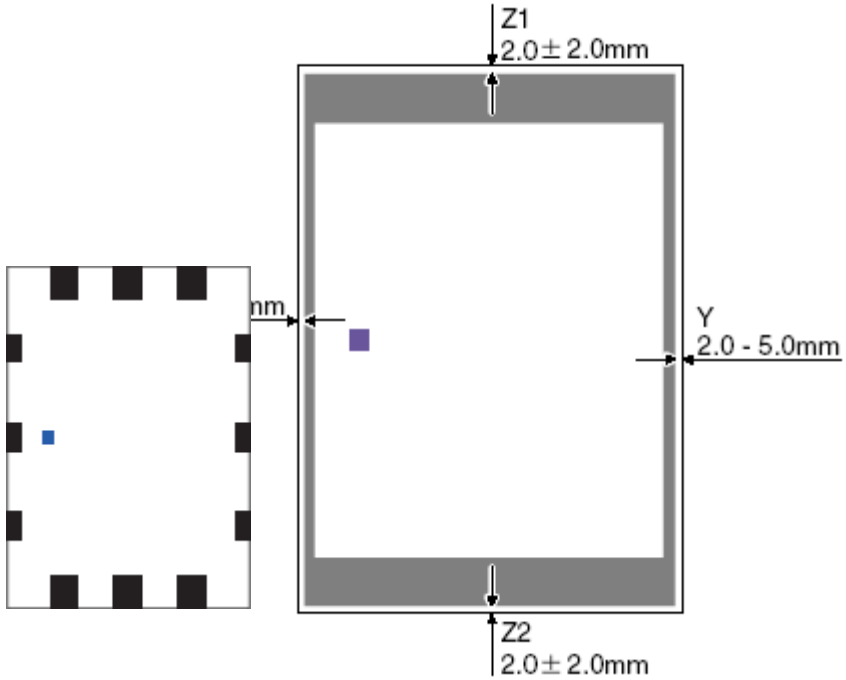
50-28	
Purpose	Adjustment
Function (Purpose)	Used to automatically adjust the image loss, void area, image off-center, and image magnification ratio.

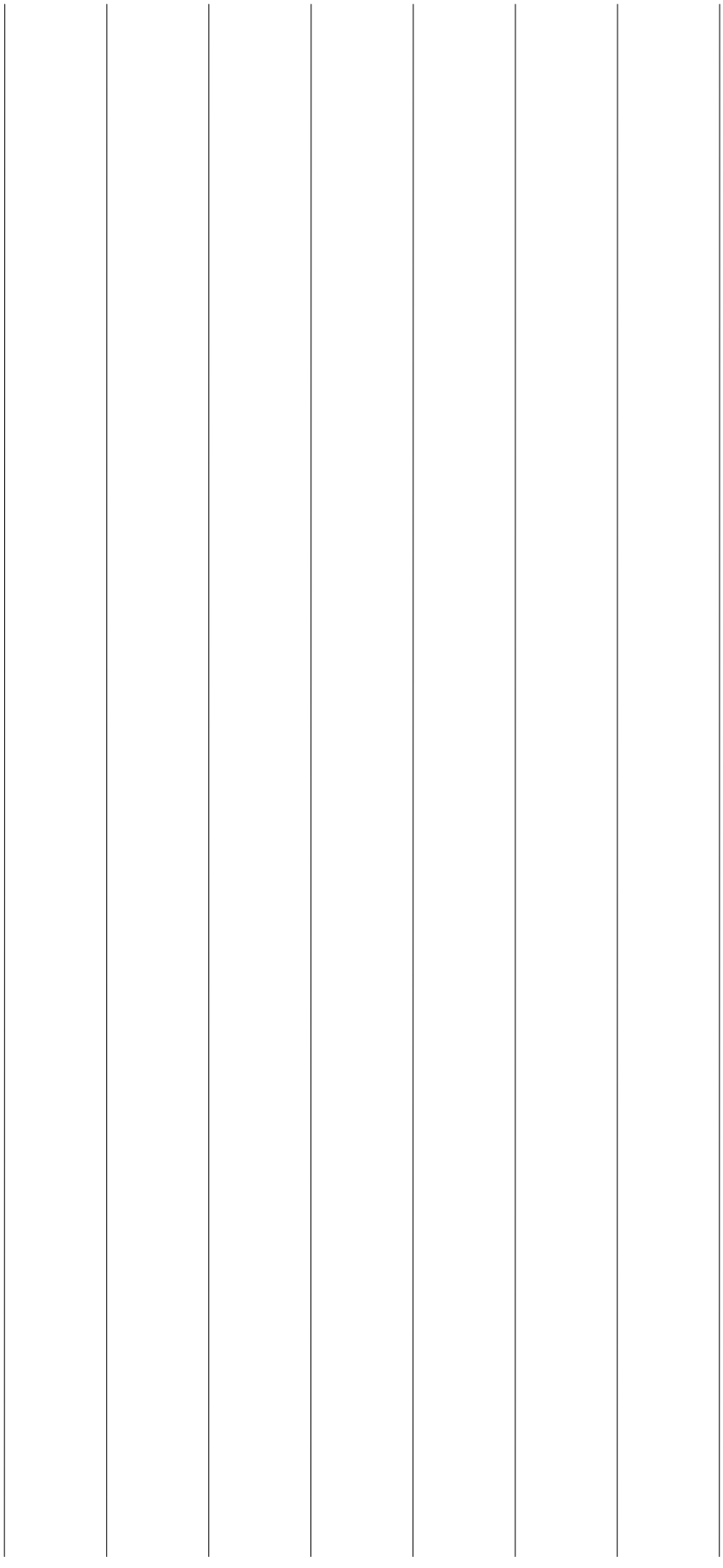
- Procedura automatica per :

- Scala di riproduzione 1:1
- Centratura originale/copia
- Area di non stampa

Item/Display	Content
OC ADJ	Image loss off-center sub scanning direction image magnification ratio adjustment (Document table mode)
BK-MAG ADJ	Main scanning direction image magnification ratio adjustment
SPF ADJ	Image loss off-center sub scanning direction image magnification ratio adjustment (RSPF mode)
SETUP/PRINT ADJ	Print lead edge adjustment, image off-center (each paper feed tray, duplex mode) adjustment
RESULT	Adjustment result display
DATA	Adjustment operation data display

	Content	Standard adjustment value
X	Lead edge void area	3.0 ± 1.0mm
Y	Rear edge void area	2.0 - 5.0mm
Z1/Z2	FRONT/REAR void area	2.0 ± 2.0mm





DIAGNOSTICA

22-6	STAMPA
Purpose	Adjustment/Setting/Operation data check
Function (Purpose)	Used to output the setting/adjustment data (simulation, FAX soft switch, counter), the firmware version, and the counter list.

Documento Acrob

Item/Display		Print list mode	Print content
A	DATA PATTERN	1	Firmware version, counter data, etc.
		2	SIM50-24 data
		3	Data related to the process control

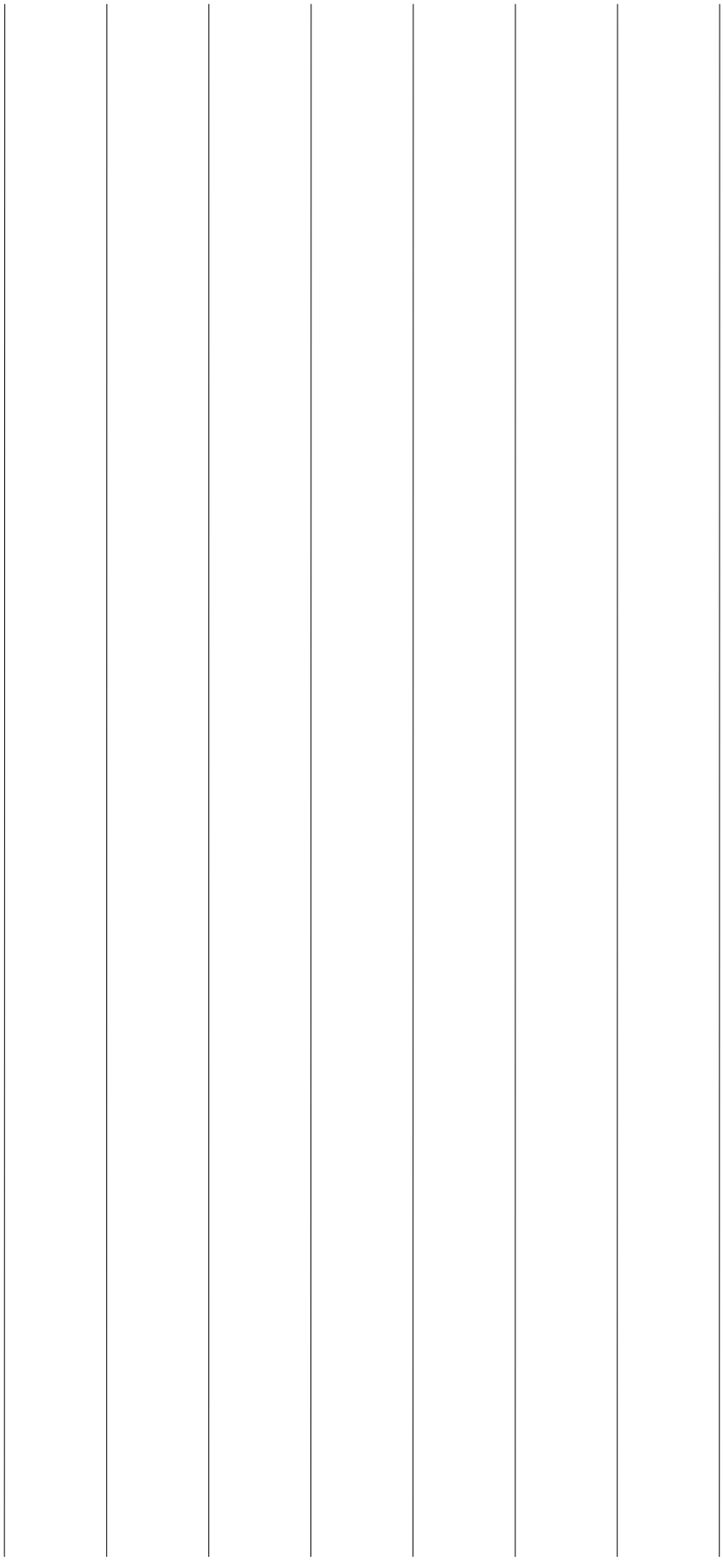
23-2	STAMPA
Purpose	Adjustment/Setting/Operation data check
Function (Purpose)	Used to output the trouble history list of paper jam and misfeed. (If the number of troubles of misfeed is considerably great, the judgment is made that repair is required.)

Documento Acrobat

22-3	VISUALIZZAZIONE
Purpose	Adjustment/Setting/Operation data check
Function (Purpose)	Used to check misfeed positions and the misfeed count of each position. * Presumption of the faulty point by this data is possible.

22-4	VISUALIZZAZIONE
Purpose	Adjustment/Setting/Operation data check
Function (Purpose)	Used to check the trouble (self diag) history.
Section	

- La procedura per arrivare ad una diagnosi prevede l'utilizzo del Manuale Tecnico.
- Il costante aggiornamento con la lettura dei ns. Bollettini Tecnici può fornire già la diagnosi e la contromisura al problema.
- L'utilizzo del supporto Tecnico Sharp è finalizzato alla soluzione del problema e risulta efficace se il tecnico descrive i sintomi del problema nel modo più dettagliato possibile e se ha già eseguito dei controlli a scopo diagnostico



DIAGNOSTICA: TROUBLE CODE

MAIN CODE ERROR

SUB CODE ERROR

L4-16 Fusing pressure release trouble

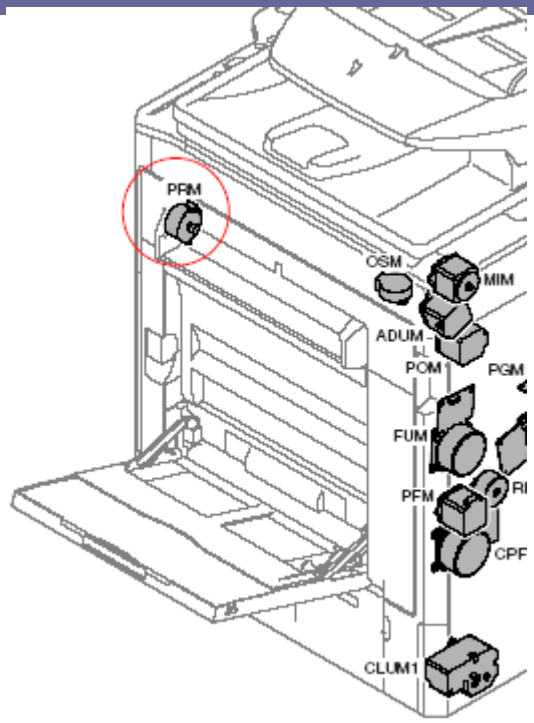
Trouble content	A change in the fusing pressure release sensor signal cannot be detected within the specified time after outputting the fusing pressure release motor.
Detail	PCU
Cause	Fusing pressure release sensor trouble. Fusing pressure release motor trouble. Pressure release drive gear and pressure release idle gear trouble. PCU PWB trouble. Connection trouble of the connector and the harness.
Check & Remedy	Replace the fusing pressure release sensor. Replace the fusing pressure release motor. Replace the pressure release drive gear and the pressure release idle gear. Replace the PCU PWB. Check connection of the connector and the harness.

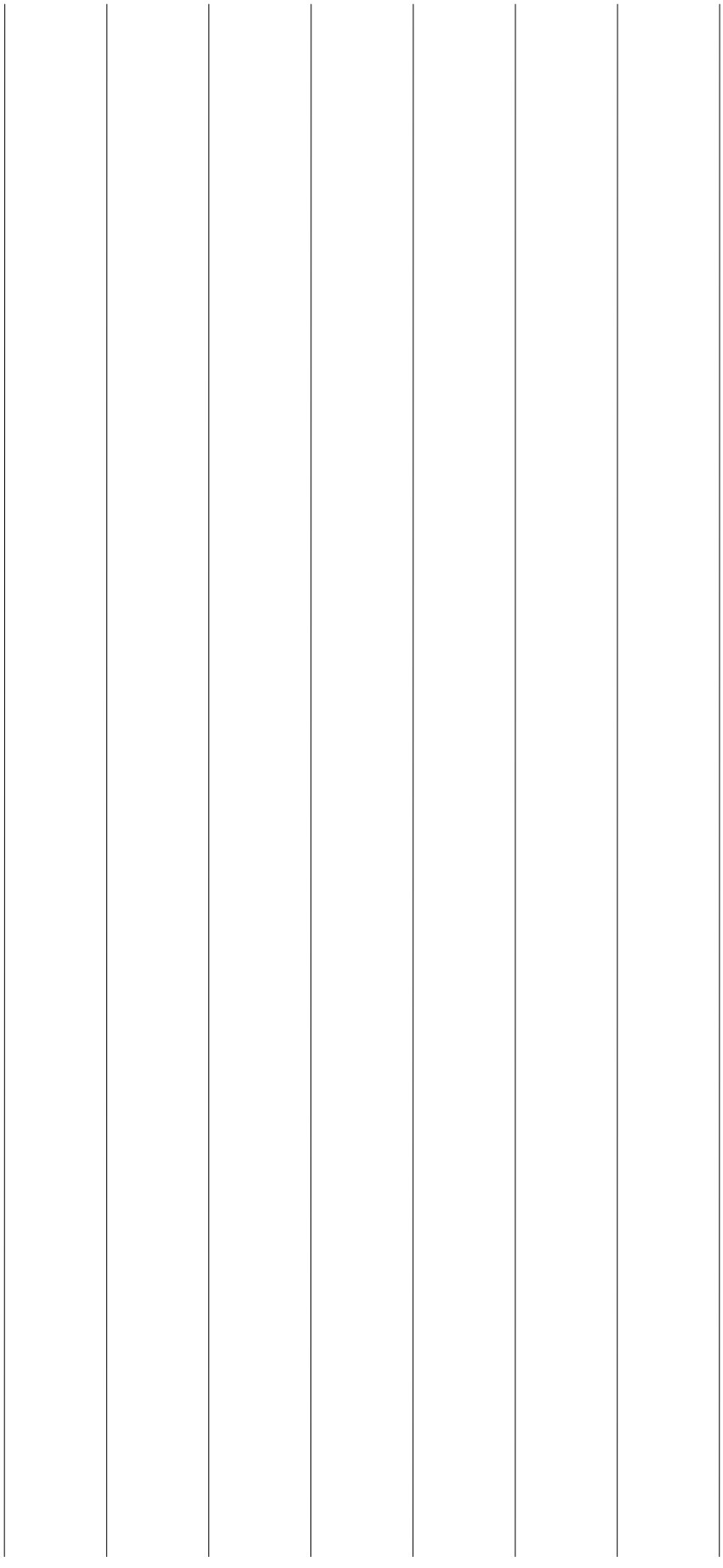
SIM 13: U1 trouble cancel
SIM 14: H3, H4, H5 (Color mode inhibition) cancel
SIM 15: LCC (U6) trouble cancel
F3-12, F3-22 cancel
SIM 16: U2 trouble cancel
SIM 17: PF trouble cancel

RESET CODES

6-6	
Purpose	Operation test/check
Function (Purpose)	Used to check the operation of the fusing separation.

PRINT	Fusing pressure applying	Fusing pressure applying → Fusing pressure release → (Fusing pressure applying) The operation is repeated.
FREE	Fusing pressure release	





DIAGNOSTICA: TROUBLE CODE

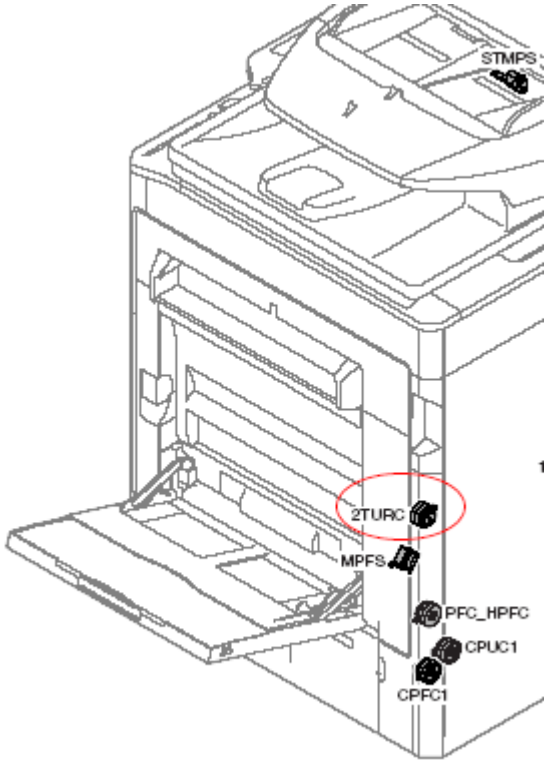
MAIN CODE ERROR

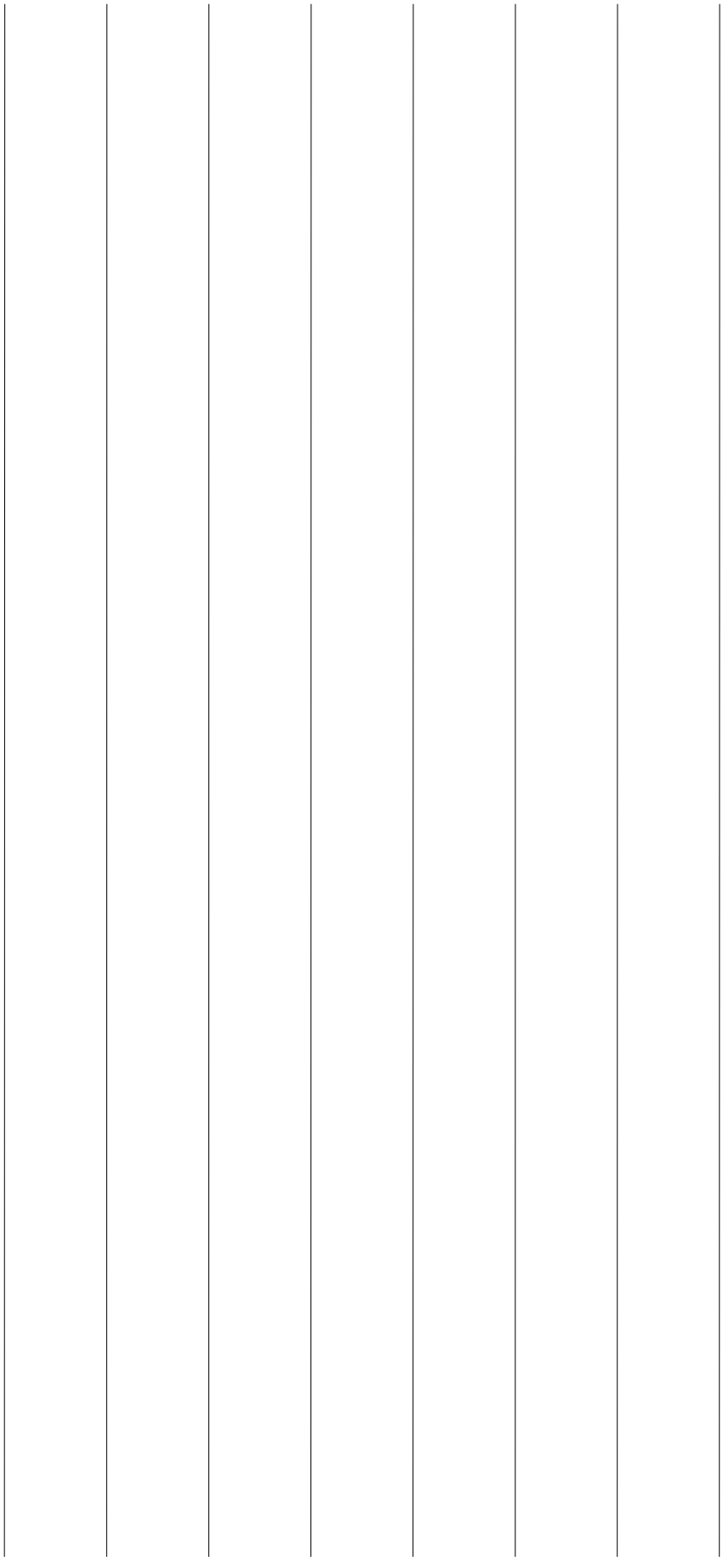
SUB CODE ERROR

L4-12 Secondary transfer separation trouble

Trouble content	A change in the separation sensor status cannot be detected within the specified time in separation operation of the secondary transfer.
Detail	PCU
Cause	Secondary transfer separation mechanism trouble. Secondary transfer separation clutch trouble. Secondary transfer separation sensor trouble. Connection trouble of the connector and the harness. PCU PWB trouble.
Check & Remedy	Check or repair the secondary transfer separation mechanism. Replace the secondary transfer separation clutch. Replace the secondary transfer separation sensor. Replace the PCU PWB. Check connection of the connector and the harness.

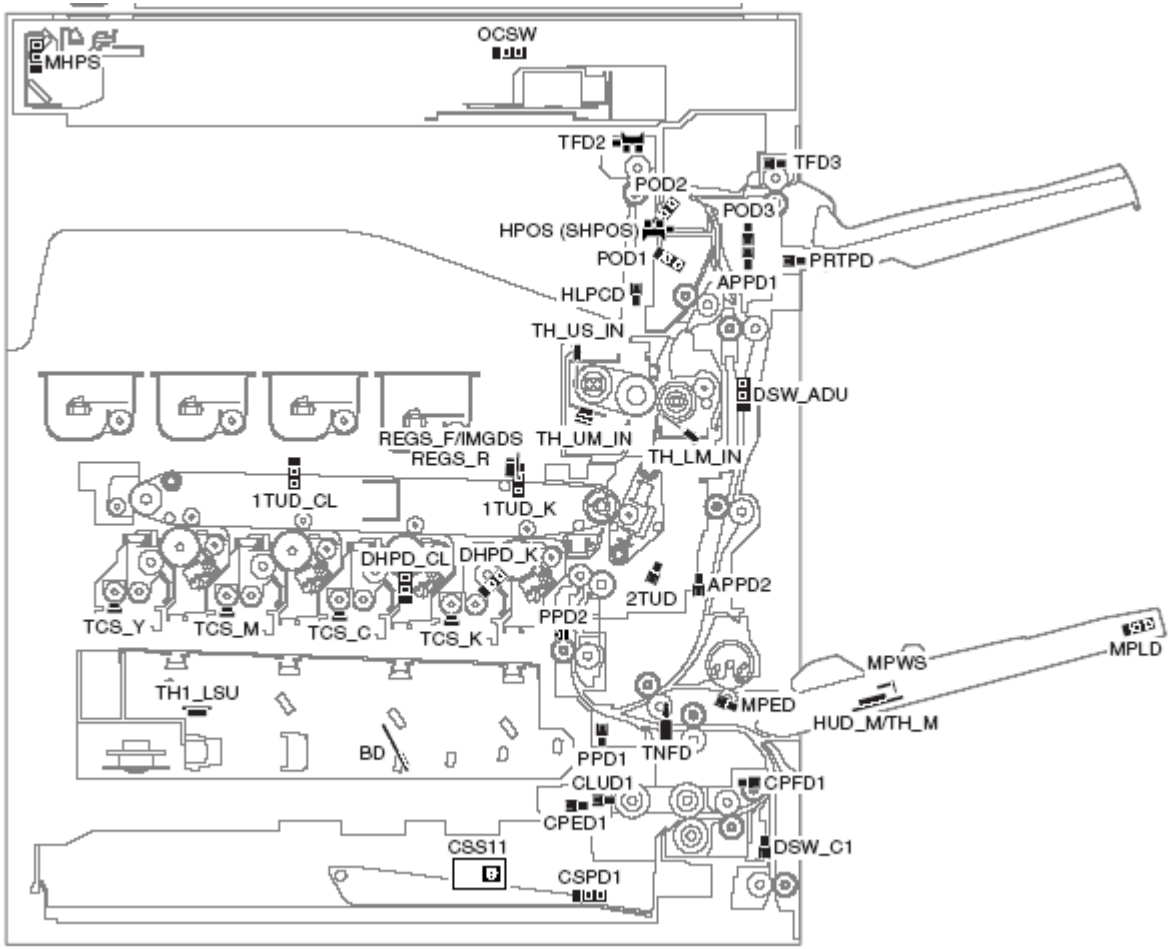
30-1	
Purpose	Operation test/check
Function (Purpose)	Used to check the operations of the sensors and the detectors in other than the paper feed section and the control circuits.



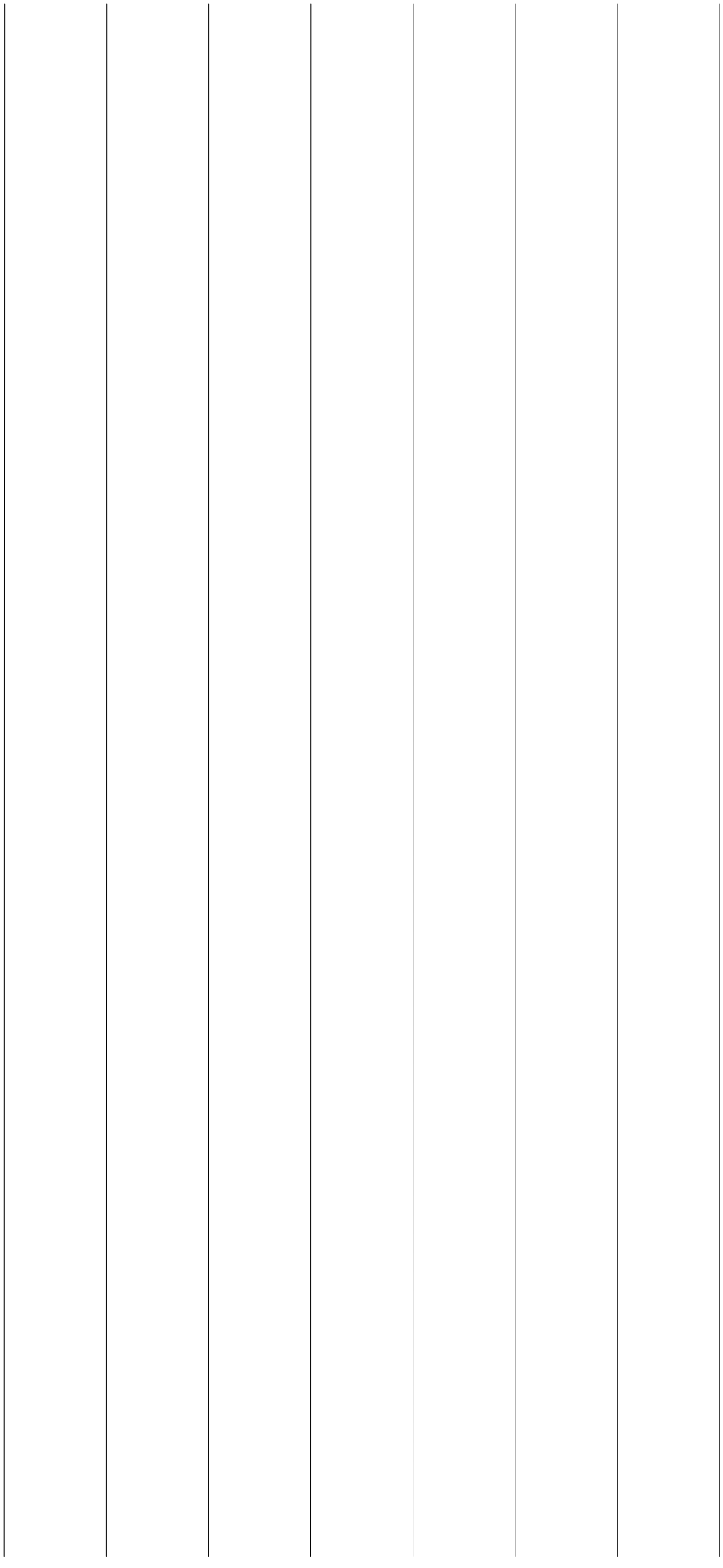


DIAGNOSTICA: JAM CODE

Pag.6-29 service manual



JAM code	JAM content
TRAY1	Main cassette paper feed JAM (CPFD1 not-reached JAM)
CPFD1_N2	CPFD1 not-reached JAM (Main cassette 2 feed paper)
CPFD1_N3	CPFD1 not-reached JAM (Desk upper stage feed paper)
CPFD1_N4	CPFD1 not-reached JAM (Desk lower stage feed paper)
TRAY2	CPFD2 not-reached JAM (Main cassette 2 feed paper)
CPFD2_N3	CPFD2 not-reached JAM (Desk upper stage feed paper)
CPFD2_N4	CPFD2 not-reached JAM (Desk lower stage feed paper)
MFT	Manual feed tray paper feed JAM (PPD1 not-reached)
PPD1_N1	PPD1 not-reached JAM (Cassette 1 feed paper)
PPD1_N2	PPD1 not-reached JAM (Main cassette 2 feed paper)
PPD1_N3	PPD1 not-reached JAM (Desk upper stage feed paper)
PPD1_N4	PPD1 not-reached JAM (Desk lower stage feed paper)
PPD1_NA	PPD1 not-reached JAM (ADU refeed paper)
PPD2_N1	PPD2 not-reached JAM (Main cassette feed paper)
PPD2_N2	PPD2 not-reached JAM (Main cassette 2 feed paper)



DIAGNOSTICA: JAM CODE

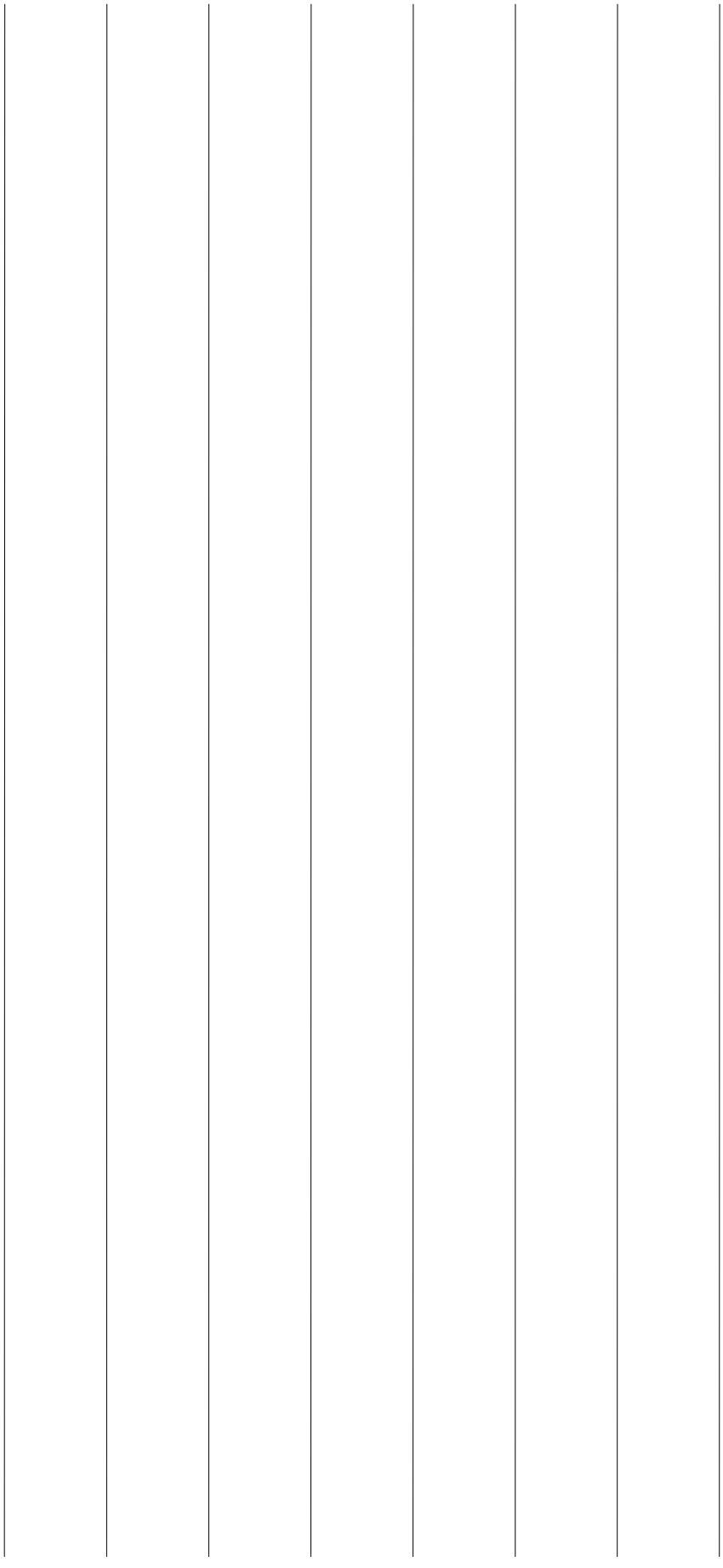
30-1	
Purpose	Operation test/check
Function (Purpose)	Used to check the operations of the sensors and the detectors in other than the paper feed section and the control circuits.

PPD1	Paper transport detector 1
PPD2	Paper transport detector 2
POD1	Paper exit detector 1
POD2	Paper exit detector 2
POD3	Paper exit detector 3
TFD2	Paper exit tray full detector (Face-down tray)
TFD3	Paper exit tray full detector (Face-up paper exit tray)
SHPOS	Shifter home positions sensor
DSW_R	ADU open/close detector
DSW_C	Transport cover open/close detector (Paper feed tray 1)
DSW_F	Front cover open/close detector
DHPD_CL	OPC drum rotation sensor (CL)
DHPD_K	OPC drum rotation sensor (BK)
TNFD	Waste toner full detector
HLPCD	Fusing roller pressure detector
DSW_C2	Transport cover open/close detector (Paper feed tray 2)
PRTPD	Paper exit tray paper detector (Face-up paper exit tray)
1TUD_CL	Transfer mode detector (CL)
1TUD_K	Transfer mode detector (BK)
2TUD	Secondary transfer position detector

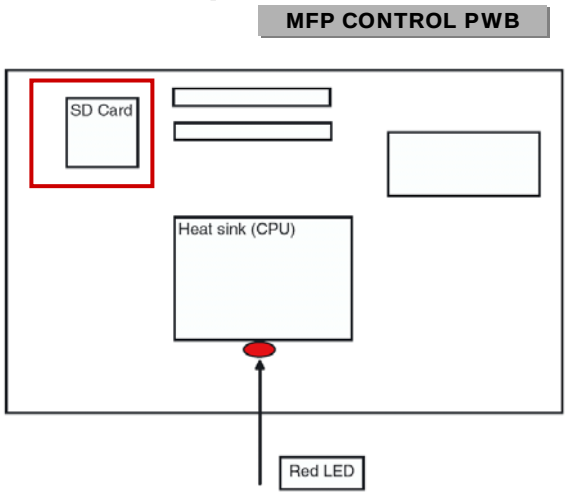
- Sim. per controllo funzionalità sensori

30-2	
Purpose	Operation test/check
Function (Purpose)	Used to check the operations of the sensors and the detectors in the paper feed section and the control circuits.

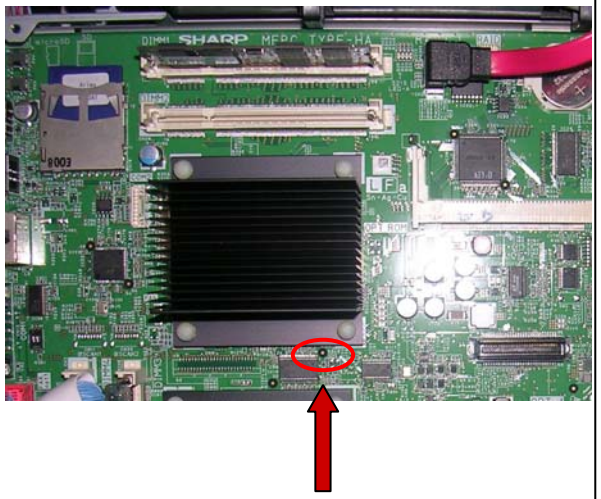
CPFD1	Paper transport detector (Paper feed tray 1)
CLUD1	Paper feed tray upper limit sensor (Paper feed tray 1)
CPED1	Paper empty sensor (Paper feed tray 1)
CSPD1	Paper remaining quantity sensor (Paper feed tray 1)
CSS11	Paper feed tray size detector (Paper feed tray 1)(*1)
CSS12	
CSS13	
CSS14	
CPFD2	Paper transport detector (Paper feed tray 2)
CLUD2	Paper feed tray upper limit sensor (Paper feed tray 2)
CPED2	Paper empty sensor (Paper feed tray 2)
CSPD2	Paper remaining quantity sensor (Paper feed tray 2)
CSS21	Paper feed tray paper size detector (Paper feed tray 2)
CSS22	
CSS23	
CSS24	
CSS1	Paper feed tray 1 detector
CSS2	Paper feed tray 2 detector (*1)
CSS2SET	Desk installation detection
MPLD	Paper length detector (Manual paper feed tray)
MPED	Paper empty sensor (Manual paper feed tray)



DIAGNOSTICA : SD CARD



A0-16	SD-Card error	NIC Firmware damage	Reload firmware
E7-07	SD-Card error	SD-Card defective	Replace SD-Card
U2-40	SD-Card error	SD-Card Partition failure	Reload firmware
Blank display	SD-Card error	Please refer to service manual 6-28	Confirm about LED status



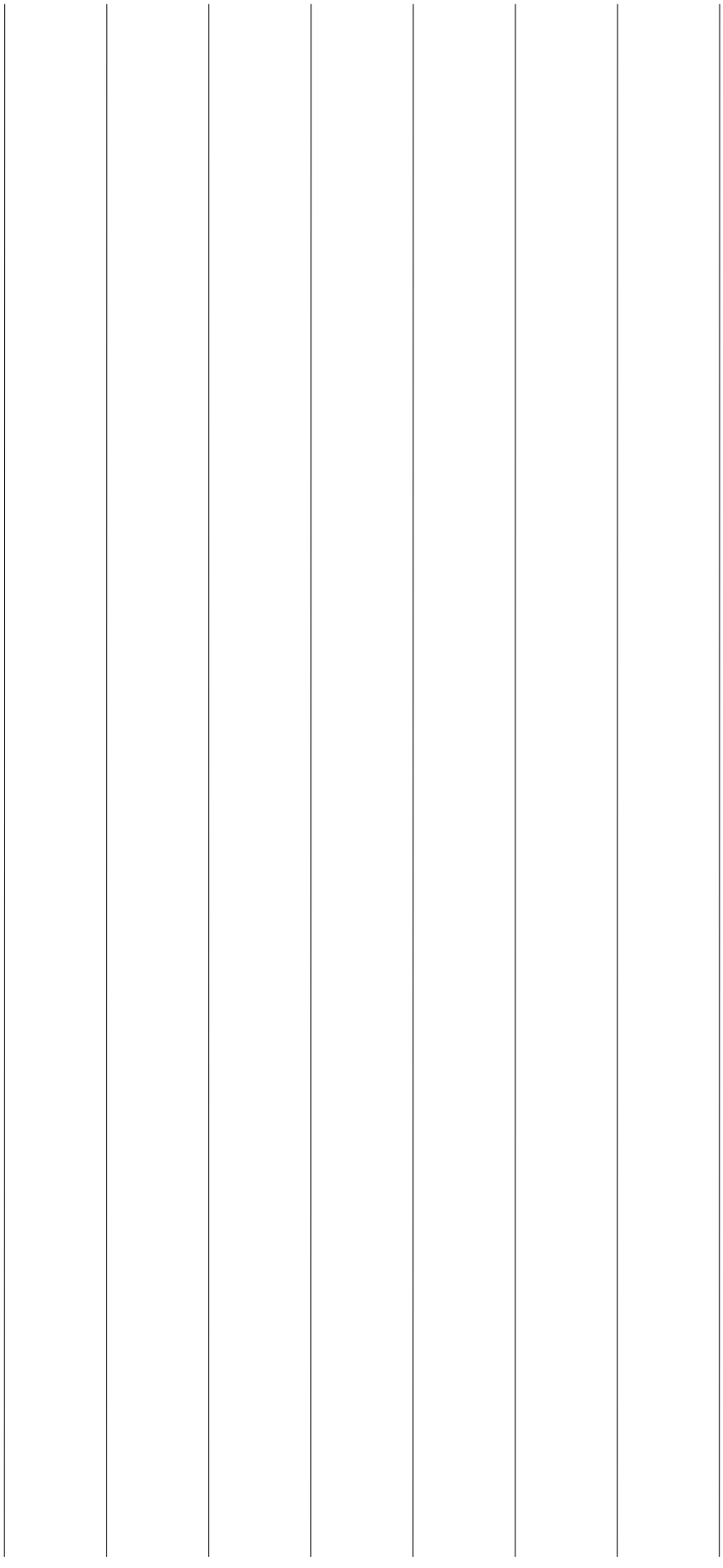
•Quando accendiamo la macchina ma il display non si accende la causa potrebbe dipendere da un problema del programma di BOOT situato nella SD CARD.

•Verificare se il led rosso posto sulla scheda MFP pwb, sotto la CPU sia spento o lampeggiante. Se lampeggiante indica un problema sulla SD card.

•Sostituire la SD card ed aggiornare il FW all'ultima versione disponibile.(SD card ordinata come ricambio)

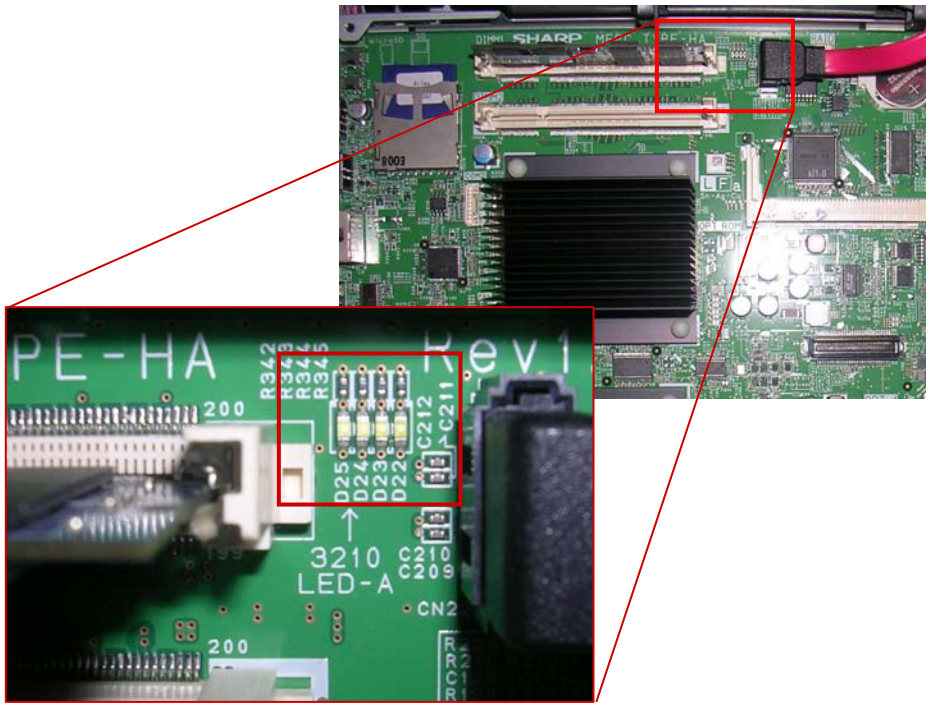
•Eseguire se presente, il backup dei dati fax ricevuti con la sim 66-62 (pdf)

•Cancellare la memoria immagine nella memoria fax sim 66-10



DIAGNOSTICA: LED STATUS ON MFC PWB-PAG.6-37 SERVICE MANUAL

LED status (Flashing)	Error content	Cause
○○○●	Nonsupport memory	Memory trouble
○○●○	Nonsupport memory (access speed)	Memory trouble
○○●●	Nonsupport memory controller	Memory trouble
○●○○	DDR-PHY setting error	Reus ASIC trouble
○●●○	Interruption handler process error	Reus ASIC trouble
●○○○	Memory check error	Memory trouble
●●●●	Memory combination error	Memory trouble



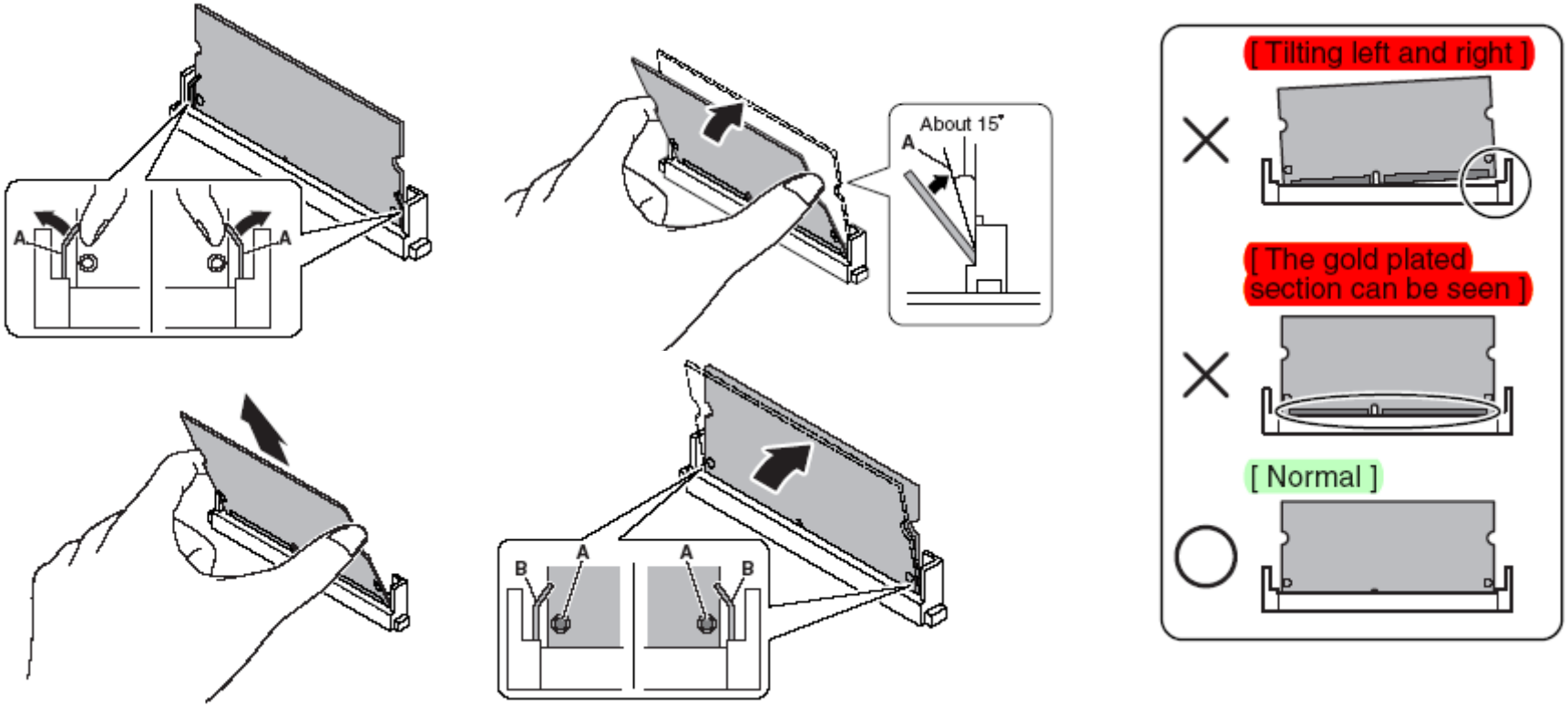
LED status (Lighting)	Process operation content	Cause for halt during operation
○○○○	CPU initial setting	Reus ASIC trouble
○○○●	Memory adjustment	Memory and its peripheral circuit trouble
○○●○	Memory check	Memory and its peripheral circuit trouble
○○●●	–	–
○●○○	Program memory development	Memory-related trouble
○●○●	Interruption-related initialization	Reus ASIC trouble
○●●○	PCIe initialization	PCIe and its peripheral circuit trouble (SoC/ ACRE, etc.)
○●●●	Basic device initialization	Reus ASIC trouble
●○○○	SD card initialization SATA initialization	Reus ASIC trouble SD card trouble HDD trouble
●○○●	OS initialization (1)	Reus ASIC trouble
●○●○	Timer enabling	Reus ASIC trouble
●○●●	Serial driver enabling I2C driver enabling	Reus ASIC trouble
●●○○	LCD initialization	Reus ASIC trouble
●●●○	Image process IP initialization	Reus ASIC trouble
●●●○	OS initialization (2)	Reus ASIC trouble
●●●●	Main process	Reus ASIC trouble

●: LED ON / ○: LED OFF

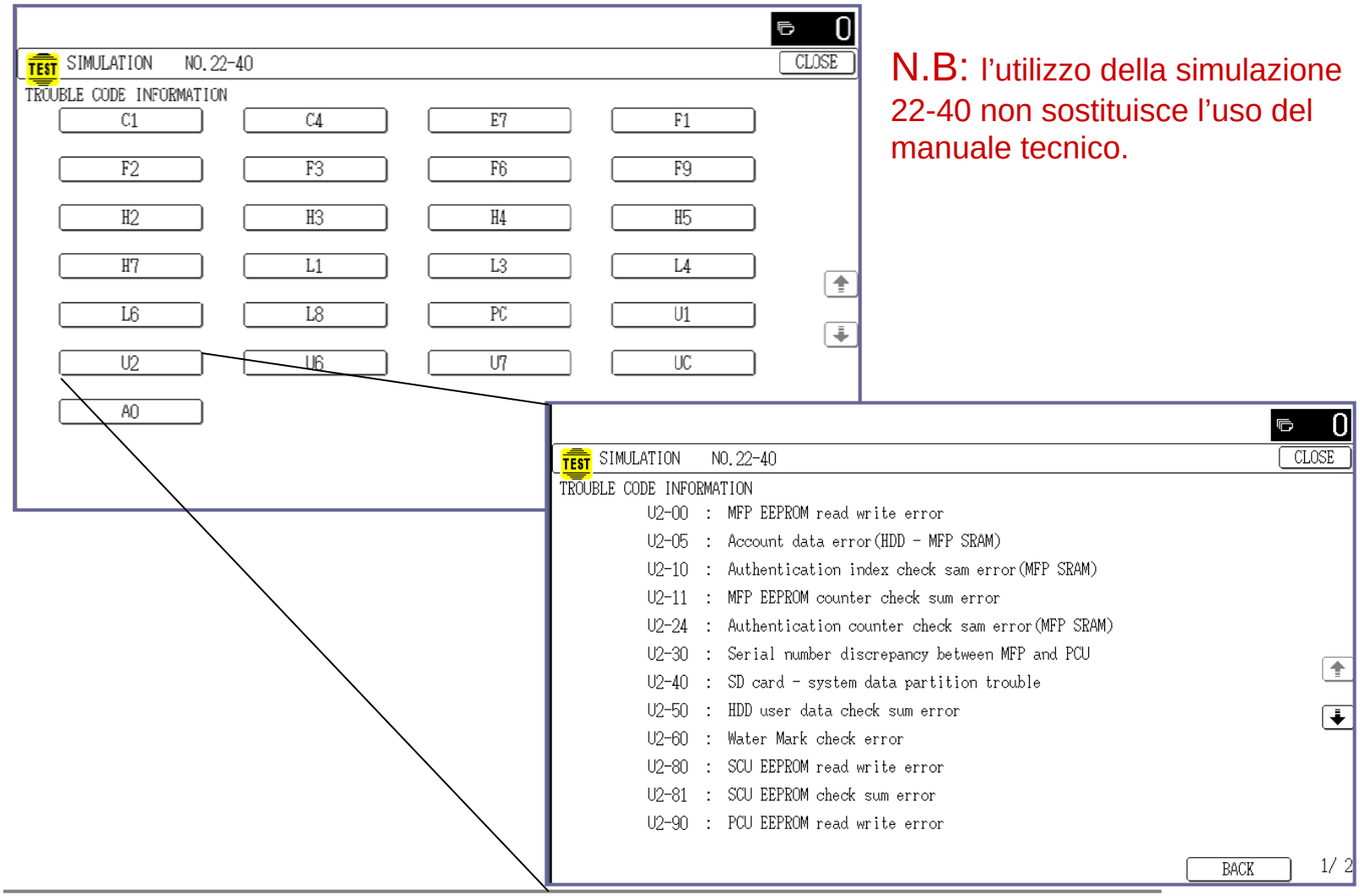
LED No D25/D24/D23/D22
3 / 2 / 1 / 0

DIAGNOSTICA: MEMORY PWB

•Quando si intercambiano le flash rom delle schede occorre rimuoverle e reinserirle nei rispettivi slot seguendo la modalità sotto descritta per evitare inserimenti difettosi



DIAGNOSTICA: TROUBLE CODE INFORMATION



N.B: l'utilizzo della simulazione 22-40 non sostituisce l'uso del manuale tecnico.

Fine